



## Airport Master Plan

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# KANSAS CITY DOWNTOWN AIRPORT – WHEELER FIELD

Appendix B

# Forecast Approval and Supplemental Data



## **Appendix B**

- **FAA Forecast Approval Letter**
  - **Supplemental Forecast Data: Regression Analysis Detail**
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U.S. Department  
of Transportation

**Federal Aviation  
Administration**

Central Region  
Iowa, Kansas  
Missouri, Nebraska

901 Locust  
Kansas City, Missouri 64106  
(816) 329-2600

August 8, 2024

Mr. Mike Waller, A.A.E., ACE  
Airport Planning Manager  
Kansas City Aviation Department  
601 Brasilia Avenue  
Kansas City, MO 64153

Dear Mr. Waller:

Forecast/Critical Design Aircraft Approval – *Runway 4/22 Clarification*  
Charles B Wheeler Downtown (MKC), Kansas City, MO  
BIL AIG Grant No. 3-29-0041-036-2023

The submitted aviation demand forecast is approved. There is no proposed development based on the forecast, and all development will be justified on current aviation demand at the time of the project.

The proposed existing critical design aircraft, D-III-2B, is approved. The proposed ultimate critical design aircraft, D-III-3, is approved. The existing and ultimate Runway Design Code (RDC) for Runway 1/19 is D-III-4000, and the existing and ultimate RDC for Runway 4/22 is B-II-4000.

*The total annual operations at the airport are approaching 120,000, and the airport capacity is approaching 60%. While Runway 4/22 is needed for crosswind conditions, Runway 4/22 should also be considered as a secondary runway for airport capacity.*

You may proceed with developing the remainder of the report and the Airport Layout Plan drawings. If you have any questions regarding this project, please call me at (816) 329-2640 or via email at [todd.madison@faa.gov](mailto:todd.madison@faa.gov).

Sincerely,

Todd Madison, P.E.  
Missouri State Planner

cc: Patrick Taylor, Coffman Associates, Inc.  
Kyle LePage, MoDOT Aviation Section



## **CHAPTER TWO – FORECASTS**

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### **ATTACHMENT 1: Regression Analysis Detail**



**MKC Enplanements**  
**Time Series Regression: 2001-2022**

X1 - Year	Y1 - Enplanements
2001	1,167
2002	481
2003	917
2004	863
2005	615
2006	2,390
2007	1,586
2008	2,850
2009	2,146
2010	1,169
2011	2,121
2012	2,261
2013	3,065
2014	2,422
2015	2,969
2016	2,907
2017	3,417
2018	3,611
2019	3,296
2020	2,236
2021	4,301
2022	5,055
<b>Results</b>	
Year	Enplanements
2027	4,836
2032	5,636
2042	7,236

**SUMMARY OUTPUT**

<i>Regression Statistics</i>	
Multiple R	0.862441827
<b>R Square</b>	<b>0.743805904</b>
Adjusted R Square	0.730996199
Standard Error	624.7326984
Observations	22

**ANOVA**

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	22662560.43	22662560	58.0658116	2.45124E-07
Residual	20	7805818.889	390290.9		
Total	21	30468379.32			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	-319439.113	42230.10407	-7.56425	2.7387E-07	-407529.5664	-231348.6595	-407529.5664	-231348.6595
X Variable 1	159.9779785	20.99423019	7.620093	2.4512E-07	116.1847818	203.7711753	116.1847818	203.7711753

**RESIDUAL OUTPUT**

<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>
1	676.8221344	490.1778656
2	836.8001129	-355.8001129
3	996.7780915	-79.77809147
4	1156.75607	-293.75607
5	1316.734049	-701.7340486
6	1476.712027	913.2879729
7	1636.690006	-50.69000565
8	1796.667984	1053.332016
9	1956.645963	189.3540373
10	2116.623941	-947.6239413
11	2276.60192	-155.6019198
12	2436.579898	-175.5798984
13	2596.557877	468.4421231
14	2756.535855	-334.5358554
15	2916.513834	52.48616601
16	3076.491813	-169.4918125
17	3236.469791	180.5302089
18	3396.44777	214.5522304
19	3556.425748	-260.4257482
20	3716.403727	-1480.403727
21	3876.381705	424.6182947
22	4036.359684	1018.640316

**MKC Enplanements**  
**Time-Series Regression: 2013-2022**

X1 - Year	Y1 - Enplanements
2001	1,167
2002	481
2003	917
2004	863
2005	615
2006	2,390
2007	1,586
2008	2,850
2009	2,146
2010	1,169
2011	2,121
2012	2,261
2013	3,065
2014	2,422
2015	2,969
2016	2,907
2017	3,417
2018	3,611
2019	3,296
2020	2,236
2021	4,301
2022	5,055

**Results**

Year	Enplanements
2027	4,984
2032	5,855
2042	7,598

**SUMMARY OUTPUT**

<i>Regression Statistics</i>	
Multiple R	0.62545118
R Square	0.39118918
Adjusted R Square	0.31508783
Standard Error	698.263885
Observations	10

**ANOVA**

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	2506303.276	2506303	5.140371	0.053118872
Residual	8	3900579.624	487572.5		
Total	9	6406882.9			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	-348316.236	155098.14	-2.24578	0.054928	-705973.1886	9340.715864	-705973.1886	9340.715864
X Variable 1	174.29697	76.87632358	2.267239	0.053119	-2.980150385	351.5740898	-2.980150385	351.5740898

**RESIDUAL OUTPUT**

<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>
1	2543.56364	521.4363636
2	2717.86061	-295.8606061
3	2892.15758	76.84242424
4	3066.45455	-159.4545455
5	3240.75152	176.2484848
6	3415.04848	195.9515152
7	3589.34545	-293.3454545
8	3763.64242	-1527.642424
9	3937.93939	363.0606061
10	4112.23636	942.7636364

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
186	2018	2,018,958	1,348,257	45,909
166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
177	2027	2,145,474	1,494,285	52,839
170	2032	2,218,033	1,578,194	56,713
156	2042	2,346,964	1,730,517	64,795

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
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**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
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169	2032	2,218,033	1,578,194	56,713
156	2042	2,346,964	1,730,517	64,795

**Best Subsets Analysis**

<b>Regression Statistics</b>	
Multiple R	0.8957
R Square	0.8022
Adjusted R Square	0.7033
Standard Error	14.5638
Observations	10

**Note:**

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	3	5161.7789	1720.5930	8.1120	0.0156
Residual	6	1272.6211	212.1035		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	48972.5464	14151.4041	3.4606	0.0135	14345.3080	83599.7848	14345.3080	83599.7848
X-1 Year	-24.9521	7.3089	-3.4140	0.0142	-42.8362	-7.0680	-42.8362	-7.0680
X3-Emp	0.0005	0.0002	2.1942	0.0707	-0.0001	0.0010	-0.0001	0.0010
X4-PCPI	0.0200	0.0095	2.1037	0.0801	-0.0033	0.0433	-0.0033	0.0433

**Best Subsets Analysis**

<b>Regression Statistics</b>	
Multiple R	0.8958
R Square	0.8025
Adjusted R Square	0.6444
Standard Error	15.9436
Observations	10

**Note:**

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	4	5163.4118	1290.8530	5.0781	0.0521
Residual	5	1270.9882	254.1976		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	44825.8016	54008.0246	0.8300	0.4444	-94006.2456	183657.8487	-94006.2456	183657.8487
X-1 Year	-22.7772	28.2902	-0.8051	0.4573	-95.4995	49.9450	-95.4995	49.9450
X2-Pop	-0.0001	0.0012	-0.0801	0.9392	-0.0030	0.0029	-0.0030	0.0029
X3-Emp	0.0005	0.0003	1.8398	0.1252	-0.0002	0.0011	-0.0002	0.0011
X4-PCPI	0.0190	0.0163	1.1669	0.2959	-0.0229	0.0609	-0.0229	0.0609

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
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196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
169	2027	2,145,474	1,494,285	52,839
156	2032	2,218,033	1,578,194	56,713
144	2042	2,346,964	1,730,517	64,795

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
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166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
159	2027	2,145,474	1,494,285	52,839
140	2032	2,218,033	1,578,194	56,713
113	2042	2,346,964	1,730,517	64,795

**Best Subsets Analysis**

<b>Regression Statistics</b>	
Multiple R	0.8814
R Square	0.7769
Adjusted R Square	0.6653
Standard Error	15.4691
Observations	10

**Note:**

**This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.**

**ANOVA**

	df	SS	MS	F	Significance F
Regression	3	4998.6327	1666.2109	6.9630	0.0222
Residual	6	1435.7673	239.2946		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	1342.9360	262.6281	5.1135	0.0022	700.3082	1985.5638	700.3082	1985.5638
X2-Pop	-0.0010	0.0003	-3.1063	0.0209	-0.0018	-0.0002	-0.0018	-0.0002
X3-Emp	0.0004	0.0002	1.7181	0.1366	-0.0002	0.0009	-0.0002	0.0009
X4-PCPI	0.0072	0.0070	1.0380	0.3393	-0.0098	0.0243	-0.0098	0.0243

**Best Subsets Analysis**

<b>Regression Statistics</b>	
Multiple R	0.8653
R Square	0.7487
Adjusted R Square	0.6230
Standard Error	16.4169
Observations	10

**Note:**

**This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.**

**ANOVA**

	df	SS	MS	F	Significance F
Regression	3	4817.3114	1605.7705	5.9580	0.0313
Residual	6	1617.0886	269.5148		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-11797.8575	24410.4538	-0.4833	0.6460	-71528.0862	47932.3712	-71528.0862	47932.3712
X-1 Year	6.8472	12.8510	0.5328	0.6133	-24.5981	38.2926	-24.5981	38.2926
X2-Pop	-0.0011	0.0008	-1.4848	0.1881	-0.0030	0.0007	-0.0030	0.0007
X3-Emp	0.0003	0.0002	1.4117	0.2077	-0.0002	0.0009	-0.0002	0.0009



**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
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166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
155	2027	2,145,474	1,494,285	52,839
132	2032	2,218,033	1,578,194	56,713
91	2042	2,346,964	1,730,517	64,795

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
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166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
150	2027	2,145,474	1,494,285	52,839
129	2032	2,218,033	1,578,194	56,713
102	2042	2,346,964	1,730,517	64,795

**Best Subsets Analysis**

X2 X3

<b>Regression Statistics</b>	
Multiple R	0.8584
<b>R Square</b>	<b>0.7368</b>
Adjusted R Square	0.6616
Standard Error	15.5545
Observations	10

**Note:**

**This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.**

**ANOVA**

	df	SS	MS	F	Significance F
Regression	2	4740.7980	2370.3990	9.7973	0.0094
Residual	7	1693.6020	241.9431		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	1207.7876	229.3417	5.2663	0.0012	665.4807	1750.0944	665.4807	1750.0944
X2-Pop	-0.0007	0.0002	-3.4405	0.0108	-0.0012	-0.0002	-0.0012	-0.0002
X3-Emp	0.0004	0.0002	1.6684	0.1392	-0.0001	0.0009	-0.0001	0.0009

**Best Subsets Analysis**

<b>Regression Statistics</b>	
Multiple R	0.8178
<b>R Square</b>	<b>0.6687</b>
Adjusted R Square	0.5031
Standard Error	18.8476
Observations	10

**Note:**

**This worksheet does not recalculate.  
If regression data changes, rerun procedure  
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**ANOVA**

	df	SS	MS	F	Significance F
Regression	3	4303.0011	1434.3337	4.0377	0.0689
Residual	6	2131.3989	355.2332		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-8211.1322	53989.5843	-0.1521	0.8841	-140318.8859	123896.6214	-140318.8859	123896.6214
X-1 Year	4.9220	28.3138	0.1738	0.8677	-64.3594	74.2034	-64.3594	74.2034
X2-Pop	-0.0009	0.0013	-0.6761	0.5242	-0.0040	0.0022	-0.0040	0.0022
X4-PCPI	0.0042	0.0168	0.2532	0.8086	-0.0367	0.0452	-0.0367	0.0452

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
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160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
151	2027	2,145,474	1,494,285	52,839
130	2032	2,218,033	1,578,194	56,713
102	2042	2,346,964	1,730,517	64,795

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
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196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
148	2027	2,145,474	1,494,285	52,839
124	2032	2,218,033	1,578,194	56,713
94	2042	2,346,964	1,730,517	64,795

**Best Subsets Analysis**

X2 X4

Regression Statistics	
Multiple R	0.8168
R Square	0.6671
Adjusted R Square	0.5720
Standard Error	17.4934
Observations	10

**Note:**

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	2	4292.2660	2146.1330	7.0131	0.0213
Residual	7	2142.1340	306.0191		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	1174.2031	275.4480	4.2629	0.0037	522.8720	1825.5342	522.8720	1825.5342
X2-Pop	-0.0006	0.0003	-2.3012	0.0549	-0.0013	0.0000	-0.0013	0.0000
X4-PCPI	0.0068	0.0079	0.8574	0.4196	-0.0119	0.0254	-0.0119	0.0254

**Best Subsets Analysis**

X1 X2

Regression Statistics	
Multiple R	0.8156
R Square	0.6652
Adjusted R Square	0.5696
Standard Error	17.5425
Observations	10

**Note:**

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	2	4280.2279	2140.1140	6.9543	0.0217
Residual	7	2154.1721	307.7389		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-20017.1138	25331.2358	-0.7902	0.4553	-79915.9684	39881.7408	-79915.9684	39881.7408
X-1 Year	11.1032	13.3489	0.8318	0.4330	-20.4619	42.6683	-20.4619	42.6683
X2-Pop	-0.0011	0.0008	-1.3490	0.2193	-0.0030	0.0008	-0.0030	0.0008

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
186	2018	2,018,958	1,348,257	45,909
166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
147	2027	2,145,474	1,494,285	52,839
117	2032	2,218,033	1,578,194	56,713
52	2042	2,346,964	1,730,517	64,795

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
186	2018	2,018,958	1,348,257	45,909
166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
139	2027	2,145,474	1,494,285	52,839
108	2032	2,218,033	1,578,194	56,713
53	2042	2,346,964	1,730,517	64,795

**Best Subsets Analysis**

X1 X3

Regression Statistics	
Multiple R	0.8101
R Square	0.6563
Adjusted R Square	0.5581
Standard Error	17.7736
Observations	10

**Note:**

**This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.**

**ANOVA**

	df	SS	MS	F	Significance F
Regression	2	4223.1062	2111.5531	6.6843	0.0238
Residual	7	2211.2938	315.8991		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	22695.4921	8117.2113	2.7960	0.0267	3501.3375	41889.6467	3501.3375	41889.6467
X-1 Year	-11.3581	4.1677	-2.7253	0.0295	-21.2132	-1.5030	-21.2132	-1.5030
X3-Emp	0.0003	0.0003	1.2617	0.2475	-0.0003	0.0009	-0.0003	0.0009

**Best Subsets Analysis**

X2-Pop (X2)

Regression Statistics	
Multiple R	0.7951
R Square	0.6321
Adjusted R Square	0.5861
Standard Error	17.2013
Observations	10

**Note:**

**This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.**

**ANOVA**

	df	SS	MS	F	Significance F
Regression	1	4067.3220	4067.3220	13.7463	0.0060
Residual	8	2367.0780	295.8848		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	1051.7073	231.5633	4.5418	0.0019	517.7214	1585.6931	517.7214	1585.69310
X2-Pop	-0.0004	0.0001	-3.7076	0.0060	-0.0007	-0.0002	-0.0007	-0.00016

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
186	2018	2,018,958	1,348,257	45,909
166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
151	2027	2,145,474	1,494,285	52,839
131	2032	2,218,033	1,578,194	56,713
95	2042	2,346,964	1,730,517	64,795

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
186	2018	2,018,958	1,348,257	45,909
166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
136	2027	2,145,474	1,494,285	52,839
103	2032	2,218,033	1,578,194	56,713
36	2042	2,346,964	1,730,517	64,795

**Best Subsets Analysis**

X1 X4

Regression Statistics	
Multiple R	0.8022
R Square	0.6435
Adjusted R Square	0.5417
Standard Error	18.1020
Observations	10

**Note:**

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	2	4140.6198	2070.3099	6.3180	0.0270
Residual	7	2293.7802	327.6829		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	27206.9546	12544.6745	2.1688	0.0667	-2456.4870	56870.3962	-2456.4870	56870.3962
X-1 Year	-13.6733	6.4581	-2.1172	0.0720	-28.9443	1.5978	-28.9443	1.5978
X4-PCPI	0.0125	0.0110	1.1327	0.2946	-0.0136	0.0386	-0.0136	0.0386

**Best Subsets Analysis**

X-1 Year (X1)

Regression Statistics	
Multiple R	0.7604
R Square	0.5782
Adjusted R Square	0.5254
Standard Error	18.4194
Observations	10

**Note:**

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	1	3720.1939	3720.1939	10.9651	0.0107
Residual	8	2714.2061	339.2758		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	13747.9333	4093.3477	3.3586	0.0100	4308.6567	23187.2100	4308.6567	23187.2100
X-1 Year	-6.7152	2.0279	-3.3114	0.0107	-11.3915	-2.0388	-11.3915	-2.03877

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
186	2018	2,018,958	1,348,257	45,909
166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
136	2027	2,145,474	1,494,285	52,839
98	2032	2,218,033	1,578,194	56,713
20	2042	2,346,964	1,730,517	64,795

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
186	2018	2,018,958	1,348,257	45,909
166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
135	2027	2,145,474	1,494,285	52,839
97	2032	2,218,033	1,578,194	56,713
20	2042	2,346,964	1,730,517	64,795

**Best Subsets Analysis  
X4-PCPI (X4)**

Regression Statistics	
Multiple R	0.6444
R Square	0.4152
Adjusted R Square	0.3421
Standard Error	21.6872
Observations	10

**Note:**

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	1	2671.7389	2671.7389	5.6805	0.0443
Residual	8	3762.6611	470.3326		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	649.2467	191.3830	3.3924	0.0095	207.9167	1090.5768	207.9167	1090.57679
X4-PCPI	-0.0097	0.0041	-2.3834	0.0443	-0.0191	-0.0003	-0.0191	-0.00032

**Best Subsets Analysis**

X3 X4

Regression Statistics	
Multiple R	0.6465
R Square	0.4180
Adjusted R Square	0.2517
Standard Error	23.1292
Observations	10

**Note:**

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	2	2689.6967	1344.8483	2.5139	0.1504
Residual	7	3744.7033	534.9576		
Total	9	6434.4000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	662.5648	216.6657	3.0580	0.0184	150.2318	1174.8978	150.2318	1174.8978
X3-Emp	0.0000	0.0002	-0.1832	0.8598	-0.0006	0.0005	-0.0006	0.0005
X4-PCPI	-0.0087	0.0071	-1.2326	0.2575	-0.0254	0.0080	-0.0254	0.0080

**MKC Based Aircraft  
Regression Analysis**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
220	2014	1,934,700	1,257,064	44,600
231	2015	1,953,771	1,285,229	46,048
222	2016	1,977,133	1,309,666	45,186
214	2017	1,999,016	1,327,819	45,557
186	2018	2,018,958	1,348,257	45,909
166	2019	2,034,377	1,353,414	46,655
169	2020	2,047,658	1,299,246	48,057
160	2021	2,053,036	1,360,932	48,330
170	2022	2,068,912	1,391,779	49,066
196	2023	2,084,401	1,422,624	49,804

**Results**

Y1-Based Aircraft	X1-Year	X2-Pop	X3-Emp	X4-PCPI
148	2027	2,145,474	1,494,285	52,839
124	2032	2,218,033	1,578,194	56,713
80	2042	2,346,964	1,730,517	64,795

**Best Subsets Analysis  
X3-Emp (X3)**

<i>Regression Statistics</i>	
Multiple R	0.5401
R Square	0.2917
Adjusted R Square	0.2032
Standard Error	23.8681
Observations	10

**Note:**

**This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.**

**ANOVA**

	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	1876.9223	1876.9223	3.2947	0.1070
Residual	8	4557.4777	569.6847		
Total	9	6434.4000			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95%</i>	<i>Upper 95%</i>
Intercept	578.2273	212.1461	2.7256	0.0260	89.0175	1067.4370	89.0175	1067.43704
X3-Emp	-0.0003	0.0002	-1.8151	0.1070	-0.0007	0.0001	-0.0007	0.00008

MKC Itinerant GA Operations  
Time-Series Regression: 2003-2022

X1 - Year	Y1 - MKC Itinerant GA Ops
2003	61,063
2004	56,543
2005	55,719
2006	44,482
2007	49,884
2008	42,031
2009	38,273
2010	37,345
2011	36,002
2012	41,321
2013	39,824
2014	39,691
2015	39,435
2016	42,091
2017	43,335
2018	39,981
2019	45,515
2020	38,525
2021	44,210
2022	50,661
<b>Results</b>	
2027	36,641
2032	34,001
2042	28,721

SUMMARY OUTPUT

<i>Regression Statistics</i>	
Multiple R	0.447733717
<b>R Square</b>	<b>0.200465481</b>
Adjusted R Square	0.156046897
Standard Error	6409.169182
Observations	20

ANOVA					
	<i>df</i>	<i>SS</i>	<i>MS</i>	<i>F</i>	<i>Significance F</i>
Regression	1	185386608	185386608	4.513099	0.047746884
Residual	18	739394092.9	41077449.61		
Total	19	924780701			

	<i>Coefficients</i>	<i>Standard Error</i>	<i>t Stat</i>	<i>P-value</i>	<i>Lower 95%</i>	<i>Upper 95%</i>	<i>Lower 95.0%</i>	<i>Upper 95.0%</i>
Intercept	1106882.932	500182.6059	2.212957665	0.04006	56038.27074	2157727.592	56038.27074	2157727.592
X Variable 1	-527.9932331	248.5369206	-2.124405629	0.047747	-1050.149927	-5.836538734	-1050.149927	-5.836538734

RESIDUAL OUTPUT

<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>	<i>Standard Residuals</i>
1	49312.48571	11750.51429	1.883630383
2	48784.49248	7758.507519	1.243703904
3	48256.49925	7462.500752	1.196253441
4	47728.50602	-3246.506015	-0.520421253
5	47200.51278	2683.487218	0.430168241
6	46672.51955	-4641.519549	-0.744044646
7	46144.52632	-7871.526316	-1.261821038
8	45616.53308	-8271.533083	-1.325942903
9	45088.53985	-9086.53985	-1.456590079
10	44560.54662	-3239.546617	-0.519305648
11	44032.55338	-4208.553383	-0.674639325
12	43504.56015	-3813.56015	-0.611321138
13	42976.56692	-3541.566917	-0.567720092
14	42448.57368	-357.5736842	-0.05731976
15	41920.58045	1414.419549	0.226734215
16	41392.58722	-1411.587218	-0.226280187
17	40864.59398	4650.406015	0.745469164
18	40336.60075	-1811.600752	-0.290403138
19	39808.60752	4401.392481	0.705551808
20	39280.61429	11380.38571	1.82429805

MKC Itinerant GA Operations  
Time-Series Regression: 2013-2022

X1 - Year	Y1 - MKC Itinerant GA Ops
2003	61,063
2004	56,543
2005	55,719
2006	44,482
2007	49,884
2008	42,031
2009	38,273
2010	37,345
2011	36,002
2012	41,321
2013	39,824
2014	39,691
2015	39,435
2016	42,091
2017	43,335
2018	39,981
2019	45,515
2020	38,525
2021	44,210
2022	50,661
<b>Results</b>	
2027	49,900
2032	53,886
2042	61,858

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.645636863
<b>R Square</b>	<b>0.416846958</b>
Adjusted R Square	0.343952828
Standard Error	3027.882502
Observations	10

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	52427858.05	52427858.05	5.718526	0.043763947
Residual	8	73344579.55	9168072.444		
Total	9	125772437.6			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	-1565975.291	672552.2461	-2.328406901	0.048282	-3116883.552	-15067.03031	-3116883.552	-15067.03031
X Variable 1	797.1757576	333.3588919	2.391343914	0.043764	28.44877425	1565.902741	28.44877425	1565.902741

RESIDUAL OUTPUT

Observation	Predicted Y	Residuals	Standard Residuals
1	38739.50909	1084.490909	0.379894634
2	39536.68485	154.3151515	0.054056237
3	40333.86061	-898.8606061	-0.314868772
4	41131.03636	959.9636364	0.336273021
5	41928.21212	1406.787879	0.49279451
6	42725.38788	-2744.387879	-0.961352667
7	43522.56364	1992.436364	0.697945807
8	44319.73939	-5794.739394	-2.029883682
9	45116.91515	-906.9151515	-0.31769026
10	45914.09091	4746.909091	1.662831173



MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
60,925	2027	16,026,989	2,145,474	1,494,285
66,907	2032	16,232,627	2,218,033	1,578,194
79,897	2042	16,660,141	2,346,964	1,730,517

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
60,920	2027	16,026,989	2,145,474	1,494,285
66,911	2032	16,232,627	2,218,033	1,578,194
79,924	2042	16,660,141	2,346,964	1,730,517

Best Subsets Analysis

Regression Statistics	
Multiple R	0.9199
R Square	0.8462
Adjusted R Square	0.7692
Standard Error	1795.8085
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	3	106422868.9542	35474289.6514	11.0000	0.0075
Residual	6	19349568.6458	3224928.1076		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-3671427.1305	2854173.2612	-1.2863	0.2457	-10655337.5085	3312483.2476	-10655337.5085	3312483.2476
X1 - Year	1868.5506	1501.0256	1.2448	0.2596	-1804.3267	5541.4278	-1804.3267	5541.4278
X2 - US GA Itinerant (	0.0044	0.0012	3.7519	0.0095	0.0015	0.0073	0.0015	0.0073
X3 - Population	-0.0589	0.0860	-0.6850	0.5189	-0.2693	0.1515	-0.2693	0.1515

Best Subsets Analysis

Regression Statistics	
Multiple R	0.9199
R Square	0.8462
Adjusted R Square	0.7231
Standard Error	1967.2017
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	4	106423024.0066	26605756.0016	6.8751	0.0289
Residual	5	19349413.5934	3869882.7187		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-3680682.8077	3451611.9987	-1.0664	0.3350	-12553333.9153	5191968.2998	-12553333.9153	5191968.2998
X1 - Year	1873.6133	1828.4934	1.0247	0.3525	-2826.6787	6573.9053	-2826.6787	6573.9053
X2 - US GA Itinerant (	0.0044	0.0028	1.5992	0.1707	-0.0027	0.0115	-0.0027	0.0115
X3 - Population	-0.0595	0.1374	-0.4333	0.6828	-0.4127	0.2937	-0.4127	0.2937
X4 - Employment	0.0004	0.0628	0.0063	0.9952	-0.1611	0.1619	-0.1611	0.1619

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
60,865	2027	16,026,989	2,145,474	1,494,285
66,009	2032	16,232,627	2,218,033	1,578,194
76,684	2042	16,660,141	2,346,964	1,730,517

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
60,200	2027	16,026,989	2,145,474	1,494,285
65,400	2032	16,232,627	2,218,033	1,578,194
75,875	2042	16,660,141	2,346,964	1,730,517

Best Subsets Analysis

Regression Statistics	
Multiple R	0.9167
R Square	0.8404
Adjusted R Square	0.7606
Standard Error	1829.2076
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA					
	df	SS	MS	F	Significance F
Regression	3	105696435.4096	35232145.1365	10.5296	0.0083
Residual	6	20076002.1904	3346000.3651		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-2299837.8033	1232949.8753	-1.8653	0.1114	-5316757.4650	717081.8583	-5316757.4650	717081.8583
X1 - Year	1137.1228	626.8163	1.8141	0.1196	-396.6415	2670.8870	-396.6415	2670.8870
X2 - US GA Itinerant (	0.0053	0.0018	2.9628	0.0252	0.0009	0.0097	0.0009	0.0097
X4 - Employment	-0.0194	0.0400	-0.4849	0.6449	-0.1174	0.0786	-0.1174	0.0786

Best Subsets Analysis

X1 X2

Regression Statistics	
Multiple R	0.9133
R Square	0.8341
Adjusted R Square	0.7867
Standard Error	1726.3797
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA					
	df	SS	MS	F	Significance F
Regression	2	104909729.3714	52454864.6857	17.6000	0.0019
Residual	7	20862708.2286	2980386.8898		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-1735769.7558	385591.7713	-4.5016	0.0028	-2647549.4095	-823990.1021	-2647549.4095	-823990.1021
X1 - Year	849.3711	190.4747	4.4592	0.0029	398.9700	1299.7722	398.9700	1299.7722
X2 - US GA Itinerant (	0.0046	0.0011	4.1963	0.0041	0.0020	0.0072	0.0020	0.0072

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
59,282	2027	16,026,989	2,145,474	1,494,285
63,691	2032	16,232,627	2,218,033	1,578,194
71,820	2042	16,660,141	2,346,964	1,730,517

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
60,000	2027	16,026,989	2,145,474	1,494,285
64,039	2032	16,232,627	2,218,033	1,578,194
71,486	2042	16,660,141	2,346,964	1,730,517

Best Subsets Analysis

X2 X3

Regression Statistics	
Multiple R	0.8980
R Square	0.8064
Adjusted R Square	0.7511
Standard Error	1864.9809
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	101425360.1466	50712680.0733	14.5803	0.0032
Residual	7	24347077.4534	3478153.9219		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-118595.6079	30161.5554	-3.9320	0.0057	-189916.3533	-47274.8626	-189916.3533	-47274.8626
X2 - US GA Itinerant t	0.0048	0.0012	3.9944	0.0052	0.0019	0.0076	0.0019	0.0076
X3 - Population	0.0472	0.0118	4.0046	0.0052	0.0193	0.0751	0.0193	0.0751

Best Subsets Analysis

Regression Statistics	
Multiple R	0.9021
R Square	0.8138
Adjusted R Square	0.7208
Standard Error	1975.3750
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	3	102359798.6002	34119932.8667	8.7440	0.0131
Residual	6	23412638.9998	3902106.5000		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-144460.4304	61759.4186	-2.3391	0.0579	-295580.2838	6659.4230	-295580.2838	6659.4230
X2 - US GA Itinerant t	0.0058	0.0024	2.3820	0.0546	-0.0002	0.0117	-0.0002	0.0117
X3 - Population	0.0713	0.0509	1.4025	0.2103	-0.0531	0.1958	-0.0531	0.1958
X4 - Employment	-0.0278	0.0567	-0.4894	0.6420	-0.1665	0.1110	-0.1665	0.1110

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
57,793	2027	16,026,989	2,145,474	1,494,285
65,902	2032	16,232,627	2,218,033	1,578,194
84,264	2042	16,660,141	2,346,964	1,730,517

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
57,293	2027	16,026,989	2,145,474	1,494,285
62,037	2032	16,232,627	2,218,033	1,578,194
70,808	2042	16,660,141	2,346,964	1,730,517

Best Subsets Analysis

Regression Statistics	
Multiple R	0.8761
R Square	0.7675
Adjusted R Square	0.6512
Standard Error	2207.8116
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	3	96525845.3916	32175281.7972	6.6008	0.0250
Residual	6	29246592.2084	4874432.0347		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-6269551.0528	3421297.8656	-1.8325	0.1166	-14641165.3464	2102063.2408	-14641165.3464	2102063.2408
X1 - Year	3286.3373	1796.7551	1.8290	0.1171	-1110.1641	7682.8386	-1110.1641	7682.8386
X3 - Population	-0.2178	0.1070	-2.0358	0.0880	-0.4796	0.0440	-0.4796	0.0440
X4 - Employment	0.0891	0.0330	2.6986	0.0356	0.0083	0.1700	0.0083	0.1700

Best Subsets Analysis

X2 X4

Regression Statistics	
Multiple R	0.8677
R Square	0.7528
Adjusted R Square	0.6822
Standard Error	2107.3968
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	94684589.4993	47342294.7496	10.6600	0.0075
Residual	7	31087848.1007	4441121.1572		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-63412.7738	23242.8132	-2.7283	0.0294	-118373.2935	-8452.2541	-118373.2935	-8452.2541
X2 - US GA Itinerant t	0.0029	0.0014	2.0797	0.0761	-0.0004	0.0063	-0.0004	0.0063
X4 - Employment	0.0494	0.0149	3.3230	0.0127	0.0142	0.0845	0.0142	0.0845

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
53,475	2027	16,026,989	2,145,474	1,494,285
58,615	2032	16,232,627	2,218,033	1,578,194
68,032	2042	16,660,141	2,346,964	1,730,517

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
52,742	2027	16,026,989	2,145,474	1,494,285
57,549	2032	16,232,627	2,218,033	1,578,194
66,077	2042	16,660,141	2,346,964	1,730,517

Best Subsets Analysis

X3 X4

Regression Statistics	
Multiple R	0.7986
R Square	0.6378
Adjusted R Square	0.5343
Standard Error	2551.0070
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	80218978.9802	40109489.4901	6.1634	0.0286
Residual	7	45553458.6198	6507636.9457		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-12102.4423	34813.6849	-0.3476	0.7383	-94423.7259	70218.8413	-94423.7259	70218.8413
X3 - Population	-0.0304	0.0356	-0.8536	0.4216	-0.1147	0.0539	-0.1147	0.0539
X4 - Employment	0.0876	0.0382	2.2954	0.0554	-0.0026	0.1778	-0.0026	0.1778

Best Subsets Analysis

X1 X4

Regression Statistics	
Multiple R	0.7790
R Square	0.6068
Adjusted R Square	0.4945
Standard Error	2657.8235
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	76324256.6651	38162128.3325	5.4023	0.0381
Residual	7	49448180.9349	7064025.8478		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	385832.0954	1214356.7783	0.3177	0.7600	-2485665.3926	3257329.5833	-2485665.3926	3257329.5833
X1 - Year	-216.0506	623.7840	-0.3464	0.7393	-1691.0653	1258.9641	-1691.0653	1258.9641
X4 - Employment	0.0702	0.0381	1.8392	0.1085	-0.0200	0.1604	-0.0200	0.1604

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
52,721	2027	16,026,989	2,145,474	1,494,285
57,630	2032	16,232,627	2,218,033	1,578,194
66,540	2042	16,660,141	2,346,964	1,730,517

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
52,580	2027	16,026,989	2,145,474	1,494,285
58,493	2032	16,232,627	2,218,033	1,578,194
72,527	2042	16,660,141	2,346,964	1,730,517

Best Subsets Analysis  
X4 - Employment (X4)

Regression Statistics	
Multiple R	0.7747
R Square	0.6001
Adjusted R Square	0.5501
Standard Error	2507.3789
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	1	75476844.2470	75476844.2470	12.0053	0.0085
Residual	8	50295593.3530	6286949.1691		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-34686.9922	22241.1773	-1.5596	0.1575	-85975.2391	16601.2547	-85975.2391	16601.25469
X4 - Employment	0.0585	0.0169	3.4649	0.0085	0.0196	0.0974	0.0196	0.09743

Best Subsets Analysis  
X1 X3

Regression Statistics	
Multiple R	0.6966
R Square	0.4852
Adjusted R Square	0.3381
Standard Error	3041.2778
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	61026840.9757	30513420.4879	3.2990	0.0979
Residual	7	64745596.6243	9249370.9463		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-6062039.8529	4711674.2661	-1.2866	0.2391	-17203379.0881	5079299.3823	-17203379.0881	5079299.3823
X1 - Year	3160.8699	2474.2155	1.2775	0.2422	-2689.7202	9011.4599	-2689.7202	9011.4599
X3 - Population	-0.1363	0.1414	-0.9642	0.3671	-0.4706	0.1980	-0.4706	0.1980

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
49,900	2027	16,026,989	2,145,474	1,494,285
53,886	2032	16,232,627	2,218,033	1,578,194
61,858	2042	16,660,141	2,346,964	1,730,517

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
48,512	2027	16,026,989	2,145,474	1,494,285
51,605	2032	16,232,627	2,218,033	1,578,194
57,102	2042	16,660,141	2,346,964	1,730,517

Best Subsets Analysis  
X1 - Year (X1)

Regression Statistics	
Multiple R	0.6456
R Square	0.4168
Adjusted R Square	0.3440
Standard Error	3027.8825
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	1	52427858.0485	52427858.0485	5.7185	0.0438
Residual	8	73344579.5515	9168072.4439		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-1565975.2909	672552.2461	-2.3284	0.0483	-3116883.5515	-15067.0303	-3116883.5515	-15067.03031
X1 - Year	797.1758	333.3589	2.3913	0.0438	28.4488	1565.9027	28.4488	1565.90274

Best Subsets Analysis  
X3 - Population (X3)

Regression Statistics	
Multiple R	0.6043
R Square	0.3652
Adjusted R Square	0.2858
Standard Error	3159.1375
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	1	45931241.2770	45931241.2770	4.6023	0.0642
Residual	8	79841196.3230	9980149.5404		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-42961.3459	39768.5886	-1.0803	0.3115	-134667.8758	48745.1839	-134667.8758	48745.18392
X3 - Population	0.0426	0.0199	2.1453	0.0642	-0.0032	0.0885	-0.0032	0.08846

MKC Itinerant GA Operations  
Regression Analysis

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Ops	X3 - Pop	X4 - Emp
39,824	2013	14,117,370	1,916,512	1,232,457
39,691	2014	13,978,993	1,934,700	1,257,064
39,435	2015	13,887,203	1,953,771	1,285,229
42,091	2016	13,905,204	1,977,133	1,309,666
43,335	2017	13,839,151	1,999,016	1,327,819
39,981	2018	14,130,495	2,018,958	1,348,257
45,515	2019	14,244,787	2,034,377	1,353,414
38,525	2020	12,608,003	2,047,658	1,299,246
44,210	2021	13,774,861	2,053,036	1,360,932
50,661	2022	14,634,811	2,068,912	1,391,779

Results

Y1 - MKC GA Itinerant Operations	X1 - Year	X2 - US GA Itinerant Operations	X3 - Population	X4 - Employment
51,450	2027	16,026,989	2,145,474	1,494,285
52,337	2032	16,232,627	2,218,033	1,578,194
54,182	2042	16,660,141	2,346,964	1,730,517

Best Subsets Analysis  
X2 - US GA Itinerant Operations (X2)

Regression Statistics	
Multiple R	0.6024
R Square	0.3629
Adjusted R Square	0.2833
Standard Error	3164.7864
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	1	45645453.9787	45645453.9787	4.5573	0.0653
Residual	8	80126983.6213	10015872.9527		
Total	9	125772437.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-17688.3354	28130.7585	-0.6288	0.5470	-82557.9808	47181.3101	-82557.9808	47181.31006
X2 - US GA Itinerant (	0.0043	0.0020	2.1348	0.0653	-0.0003	0.0090	-0.0003	0.00897



**MKC Local GA Operations  
Regression Analysis**

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

**Results**

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
60,751	2027	15,713,699	2,145,474	1,494,285
85,077	2032	15,987,407	2,218,033	1,578,194
145,715	2042	16,562,635	2,346,964	1,730,517

**MKC Local GA Operations  
Regression Analysis**

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

**Results**

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
60,724	2027	15,713,699	2,145,474	1,494,285
84,779	2032	15,987,407	2,218,033	1,578,194
144,791	2042	16,562,635	2,346,964	1,730,517

**Best Subsets Analysis**

Regression Statistics	
Multiple R	0.9897
R Square	0.9796
Adjusted R Square	0.9694
Standard Error	1627.6971
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	3	763359357.7550	254453119.2517	96.0419	0.0000
Residual	6	15896387.8450	2649397.9742		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-29562872.2192	2522333.3188	-11.7204	0.0000	-35734799.5095	-23390944.9289	-35734799.5095	-23390944.9289
X1 - Year	15416.9936	1324.6480	11.6386	0.0000	12175.6968	18658.2904	12175.6968	18658.2904
X3 - Population	-0.8052	0.0789	-10.2087	0.0001	-0.9982	-0.6122	-0.9982	-0.6122
X4 - Employment	0.0675	0.0244	2.7715	0.0324	0.0079	0.1271	0.0079	0.1271

**Best Subsets Analysis**

Regression Statistics	
Multiple R	0.9898
R Square	0.9796
Adjusted R Square	0.9633
Standard Error	1781.8930
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

**ANOVA**

	df	SS	MS	F	Significance F
Regression	4	763380032.9428	190845008.2357	60.1060	0.0002
Residual	5	15875712.6572	3175142.5314		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-29291828.5794	4348198.1793	-6.7365	0.0011	-40469227.8370	-18114429.3218	-40469227.8370	-18114429.3218
X1 - Year	15275.7435	2273.0837	6.7203	0.0011	9432.5958	21118.8912	9432.5958	21118.8912
X2 - US GA Local Ope	0.0002	0.0020	0.0807	0.9388	-0.0050	0.0053	-0.0050	0.0053
X3 - Population	-0.7985	0.1198	-6.6658	0.0011	-1.1064	-0.4905	-1.1064	-0.4905
X4 - Employment	0.0664	0.0301	2.2034	0.0788	-0.0111	0.1438	-0.0111	0.1438

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
57,342	2027	15,713,699	2,145,474	1,494,285
76,682	2032	15,987,407	2,218,033	1,578,194
126,200	2042	16,562,635	2,346,964	1,730,517

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
56,804	2027	15,713,699	2,145,474	1,494,285
79,467	2032	15,987,407	2,218,033	1,578,194
136,829	2042	16,562,635	2,346,964	1,730,517

Best Subsets Analysis

Regression Statistics	
Multiple R	0.9797
R Square	0.9598
Adjusted R Square	0.9398
Standard Error	2283.6663
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA					
	df	SS	MS	F	Significance F
Regression	3	747964953.9028	249321651.3009	47.8074	0.0001
Residual	6	31290791.6972	5215131.9495		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-25727429.4532	5172617.5786	-4.9738	0.0025	-38384368.7078	-13070490.1986	-38384368.7078	-13070490.1986
X1 - Year	13408.1070	2703.0583	4.9603	0.0026	6793.9618	20022.2523	6793.9618	20022.2523
X2 - US GA Local Ope	0.0022	0.0023	0.9748	0.3673	-0.0034	0.0078	-0.0034	0.0078
X3 - Population	-0.6658	0.1327	-5.0167	0.0024	-0.9906	-0.3411	-0.9906	-0.3411

Best Subsets Analysis

X1 X3

Regression Statistics	
Multiple R	0.9765
R Square	0.9535
Adjusted R Square	0.9402
Standard Error	2275.5322
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA					
	df	SS	MS	F	Significance F
Regression	2	743009417.3619	371504708.6809	71.7461	0.0000
Residual	7	36246328.2381	5178046.8912		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-29405758.1684	3525349.2601	-8.3412	0.0001	-37741884.5242	-21069631.8127	-37741884.5242	-21069631.8127
X1 - Year	15321.9978	1851.2472	8.2766	0.0001	10944.4937	19699.5019	10944.4937	19699.5019
X3 - Population	-0.7435	0.1058	-7.0285	0.0002	-0.9936	-0.4934	-0.9936	-0.4934

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
49,567	2027	15,713,699	2,145,474	1,494,285
51,850	2032	15,987,407	2,218,033	1,578,194
57,214	2042	16,562,635	2,346,964	1,730,517

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
50,834	2027	15,713,699	2,145,474	1,494,285
51,931	2032	15,987,407	2,218,033	1,578,194
57,794	2042	16,562,635	2,346,964	1,730,517

Best Subsets Analysis

Regression Statistics	
Multiple R	0.8936
R Square	0.7986
Adjusted R Square	0.6979
Standard Error	5114.6106
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	3	622300296.6762	207433432.2254	7.9296	0.0165
Residual	6	156955448.9238	26159241.4873		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-1095330.6738	2889762.0561	-0.3790	0.7177	-8166323.6958	5975662.3481	-8166323.6958	5975662.3481
X1 - Year	516.7444	1476.1065	0.3501	0.7382	-3095.1581	4128.6469	-3095.1581	4128.6469
X2 - US GA Local Ope	0.0095	0.0042	2.2722	0.0635	-0.0007	0.0197	-0.0007	0.0197
X4 - Employment	-0.0345	0.0747	-0.4620	0.6604	-0.2174	0.1483	-0.2174	0.1483

Best Subsets Analysis

Regression Statistics	
Multiple R	0.8920
R Square	0.7956
Adjusted R Square	0.6934
Standard Error	5152.2120
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	3	619984016.5409	206661338.8470	7.7852	0.0172
Residual	6	159271729.0591	26545288.1765		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-71417.1666	85036.1287	-0.8398	0.4332	-279493.0778	136658.7446	-279493.0778	136658.7446
X2 - US GA Local Ope	0.0106	0.0037	2.8493	0.0292	0.0015	0.0197	0.0015	0.0197
X3 - Population	-0.0143	0.0784	-0.1831	0.8608	-0.2061	0.1774	-0.2061	0.1774
X4 - Employment	-0.0091	0.0808	-0.1128	0.9139	-0.2068	0.1886	-0.2068	0.1886

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
51,180	2027	15,713,699	2,145,474	1,494,285
52,582	2032	15,987,407	2,218,033	1,578,194
56,004	2042	16,562,635	2,346,964	1,730,517

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
50,272	2027	15,713,699	2,145,474	1,494,285
51,512	2032	15,987,407	2,218,033	1,578,194
54,575	2042	16,562,635	2,346,964	1,730,517

Best Subsets Analysis

X2 X3

Regression Statistics	
Multiple R	0.8917
R Square	0.7952
Adjusted R Square	0.7367
Standard Error	4775.0742
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	619646408.3731	309823204.1865	13.5879	0.0039
Residual	7	159609337.2269	22801333.8896		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-70119.7785	78087.0034	-0.8980	0.3990	-254766.2004	114526.6434	-254766.2004	114526.6434
X2 - US GA Local Ope	0.0105	0.0033	3.1853	0.0154	0.0027	0.0183	0.0027	0.0183
X3 - Population	-0.0202	0.0543	-0.3720	0.7209	-0.1487	0.1082	-0.1487	0.1082

Best Subsets Analysis

X2 X4

Regression Statistics	
Multiple R	0.8913
R Square	0.7945
Adjusted R Square	0.7357
Standard Error	4783.3235
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	619094460.9264	309547230.4632	13.5291	0.0039
Residual	7	160161284.6736	22880183.5248		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-83860.1549	47438.6290	-1.7678	0.1204	-196034.6876	28314.3778	-196034.6876	28314.3778
X2 - US GA Local Ope	0.0103	0.0032	3.2555	0.0140	0.0028	0.0178	0.0028	0.0178
X4 - Employment	-0.0189	0.0561	-0.3373	0.7458	-0.1516	0.1138	-0.1516	0.1138

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
50,631	2027	15,713,699	2,145,474	1,494,285
53,679	2032	15,987,407	2,218,033	1,578,194
50,028	2042	16,562,635	2,346,964	1,730,517

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
50,705	2027	15,713,699	2,145,474	1,494,285
53,294	2032	15,987,407	2,218,033	1,578,194
58,735	2042	16,562,635	2,346,964	1,730,517

Best Subsets Analysis

X1 X2

Regression Statistics

Multiple R	0.8896
R Square	0.7914
Adjusted R Square	0.7318
Standard Error	4818.6979
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	616716796.3808	308358398.1904	13.2799	0.0041
Residual	7	162538949.2192	23219849.8885		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-315984.8178	2210545.0255	-0.1429	0.8904	-5543093.1943	4911123.5587	-5543093.1943	4911123.5587
X1 - Year	110.1378	1116.4733	0.0986	0.9242	-2529.9022	2750.1777	-2529.9022	2750.1777
X2 - US GA Local Ope	0.0091	0.0039	2.3616	0.0502	0.0000	0.0183	0.0000	0.0183

Best Subsets Analysis

X2 - US GA Local Operations (X2)

Regression Statistics

Multiple R	0.8895
R Square	0.7911
Adjusted R Square	0.7650
Standard Error	4510.6113
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	1	616490834.5039	616490834.5039	30.3009	0.0006
Residual	8	162764911.0961	20345613.8870		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-97930.7364	21308.1876	-4.5959	0.0018	-147067.5053	-48793.9676	-147067.5053	-48793.9676
X2 - US GA Local Ope	0.0095	0.0017	5.5046	0.0006	0.0055	0.0134	0.0055	0.01342

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
42,078	2027	15,713,699	2,145,474	1,494,285
54,198	2032	15,987,407	2,218,033	1,578,194
78,478	2042	16,562,635	2,346,964	1,730,517

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
42,186	2027	15,713,699	2,145,474	1,494,285
54,337	2032	15,987,407	2,218,033	1,578,194
78,638	2042	16,562,635	2,346,964	1,730,517

Best Subsets Analysis

X1 X4

Regression Statistics	
Multiple R	0.7907
R Square	0.6253
Adjusted R Square	0.5182
Standard Error	6458.7556
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	487247074.9394	243623537.4697	5.8401	0.0322
Residual	7	292008670.6606	41715524.3801		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-4957883.8900	2950998.6787	-1.6801	0.1368	-11935886.9321	2020119.1520	-11935886.9321	2020119.1520
X1 - Year	2468.6463	1515.8524	1.6286	0.1474	-1115.7752	6053.0677	-1115.7752	6053.0677
X4 - Employment	-0.0027	0.0927	-0.0288	0.9779	-0.2219	0.2165	-0.2219	0.2165

Best Subsets Analysis

X1 - Year (X1)

Regression Statistics	
Multiple R	0.7907
R Square	0.6252
Adjusted R Square	0.5784
Standard Error	6041.9696
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	1	487212571.7455	487212571.7455	13.3463	0.0065
Residual	8	292043173.8545	36505396.7318		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-4883718.6545	1342040.2633	-3.6390	0.0066	-7978469.0514	-1788968.2577	-7978469.0514	-1788968.2577
X1 - Year	2430.1455	665.1990	3.6533	0.0065	896.1939	3964.0970	896.1939	3964.0970

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
40,492	2027	15,713,699	2,145,474	1,494,285
50,893	2032	15,987,407	2,218,033	1,578,194
69,568	2042	16,562,635	2,346,964	1,730,517

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
37,083	2027	15,713,699	2,145,474	1,494,285
46,078	2032	15,987,407	2,218,033	1,578,194
62,061	2042	16,562,635	2,346,964	1,730,517

Best Subsets Analysis

X3 X4

Regression Statistics	
Multiple R	0.7205
R Square	0.5191
Adjusted R Square	0.3817
Standard Error	7317.0388
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	2	404482349.9558	202241174.9779	3.7775	0.0771
Residual	7	374773395.6442	53539056.5206		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-207685.1334	99855.8914	-2.0798	0.0761	-443806.7959	28436.5290	-443806.7959	28436.5290
X3 - Population	0.0738	0.1022	0.7215	0.4940	-0.1680	0.3156	-0.1680	0.3156
X4 - Employment	0.0602	0.1094	0.5497	0.5996	-0.1986	0.3189	-0.1986	0.3189

Best Subsets Analysis

X3 - Population (X3)

Regression Statistics	
Multiple R	0.7059
R Square	0.4983
Adjusted R Square	0.4356
Standard Error	6990.6351
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	1	388303912.7931	388303912.7931	7.9458	0.0225
Residual	8	390951832.8069	48868979.1009		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-228882.3755	88001.1378	-2.6009	0.0316	-431813.3631	-25951.3878	-431813.3631	-25951.38785
X3 - Population	0.1240	0.0440	2.8188	0.0225	0.0226	0.2254	0.0226	0.22538

MKC Local GA Operations  
Regression Analysis

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
12,984	2013	11,688,355	1,916,512	1,232,457
13,221	2014	11,675,040	1,934,700	1,257,064
15,322	2015	11,691,338	1,953,771	1,285,229
13,616	2016	11,632,612	1,977,133	1,309,666
14,260	2017	11,732,324	1,999,016	1,327,819
14,565	2018	12,354,014	2,018,958	1,348,257
16,293	2019	13,109,215	2,034,377	1,353,414
18,803	2020	12,332,877	2,047,658	1,299,246
31,385	2021	13,479,087	2,053,036	1,360,932
40,549	2022	14,029,412	2,068,912	1,391,779

Results

Y1 - MKC GA Local Operations	X1 - Year	X2 - US GA Local Operations	X3 - Population	X4 - Employment
42,319	2027	15,713,699	2,145,474	1,494,285
53,283	2032	15,987,407	2,218,033	1,578,194
73,186	2042	16,562,635	2,346,964	1,730,517

Best Subsets Analysis  
X4 - Employment (X4)

Regression Statistics	
Multiple R	0.6952
R Square	0.4833
Adjusted R Square	0.4187
Standard Error	7094.4166
Observations	10

Note:

This worksheet does not recalculate.  
If regression data changes, rerun procedure  
to create an updated version of this worksheet.

ANOVA

	df	SS	MS	F	Significance F
Regression	1	376609772.7609	376609772.7609	7.4827	0.0256
Residual	8	402645972.8391	50330746.6049		
Total	9	779255745.6000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-152931.4856	62929.5295	-2.4302	0.0412	-298047.2408	-7815.7303	-298047.2408	-7815.73033
X4 - Employment	0.1307	0.0478	2.7355	0.0256	0.0205	0.2408	0.0205	0.24082



**MKC Air Taxi Operations**  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

**Results**

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
22,434	2027	6,009,133	2,145,474	1,494,285
29,286	2032	6,335,768	2,218,033	1,578,194
44,088	2042	7,030,550	2,346,964	1,730,517

**Best Subsets Analysis**

<b>Regression Statistics</b>	
Multiple R	0.8639
R Square	0.7464
Adjusted R Square	0.5435
Standard Error	1169.6401
Observations	10

<b>ANOVA</b>					
	df	SS	MS	F	Significance F
Regression	4	20129676.9352	5032419.2338	3.6785	0.0928
Residual	5	6840289.5648	1368057.9130		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-4313004.8572	1816777.6454	-2.3740	0.0636	-8983180.4717	357170.7574	-8983180.4717	357170.7574
X1 - Year	2182.9014	952.3918	2.2920	0.0705	-265.2997	4631.1025	-265.2997	4631.1025
X2 - US Air Taxi	0.0029	0.0013	2.1418	0.0851	-0.0006	0.0063	-0.0006	0.0063
X3 - Population	-0.0205	0.0686	-0.2992	0.7768	-0.1967	0.1557	-0.1967	0.1557
X4 - Employment	-0.0418	0.0263	-1.5919	0.1723	-0.1093	0.0257	-0.1093	0.0257

**MKC Air Taxi Operations**  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

**Results**

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
22,245	2027	6,009,133	2,145,474	1,494,285
29,179	2032	6,335,768	2,218,033	1,578,194
43,892	2042	7,030,550	2,346,964	1,730,517

**Best Subsets Analysis**

<b>Regression Statistics</b>	
Multiple R	0.8613
R Square	0.7418
Adjusted R Square	0.6127
Standard Error	1077.2466
Observations	10

<b>ANOVA</b>					
	df	SS	MS	F	Significance F
Regression	3	20007204.7539	6669068.2513	5.7469	0.0338
Residual	6	6962761.7461	1160460.2910		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-3905555.4780	1107598.1831	-3.5261	0.0124	-6615750.5985	-1195360.3575	-6615750.5985	-1195360.3575
X1 - Year	1962.7500	556.9318	3.5242	0.0125	599.9870	3325.5130	599.9870	3325.5130
X2 - US Air Taxi	0.0031	0.0010	3.0341	0.0230	0.0006	0.0056	0.0006	0.0056
X4 - Employment	-0.0463	0.0198	-2.3409	0.0578	-0.0947	0.0021	-0.0947	0.0021

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
22,561	2027	6,009,133	2,145,474	1,494,285
27,794	2032	6,335,768	2,218,033	1,578,194
39,661	2042	7,030,550	2,346,964	1,730,517

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
20,697	2027	6,009,133	2,145,474	1,494,285
23,799	2032	6,335,768	2,218,033	1,578,194
31,673	2042	7,030,550	2,346,964	1,730,517

Best Subsets Analysis

Regression Statistics	
Multiple R	0.7860
R Square	0.6178
Adjusted R Square	0.4267
Standard Error	1310.6761
Observations	10

ANOVA					
	df	SS	MS	F	Significance F
Regression	3	16662736.0009	5554245.3336	3.2332	0.1030
Residual	6	10307230.4991	1717871.7498		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-4208548.8771	2034517.6726	-2.0686	0.0841	-9186834.2815	769736.5273	-9186834.2815	769736.5273
X1 - Year	2171.7302	1067.2029	2.0350	0.0881	-439.6212	4783.0816	-439.6212	4783.0816
X2 - US Air Taxi	0.0013	0.0010	1.2787	0.2482	-0.0012	0.0037	-0.0012	0.0037
X3 - Population	-0.0833	0.0629	-1.3247	0.2335	-0.2371	0.0705	-0.2371	0.0705

Best Subsets Analysis

X1 X3

Regression Statistics	
Multiple R	0.7167
R Square	0.5137
Adjusted R Square	0.3747
Standard Error	1368.8375
Observations	10

ANOVA					
	df	SS	MS	F	Significance F
Regression	2	13853952.8752	6926976.4376	3.6969	0.0802
Residual	7	13116013.6248	1873716.2321		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-4046236.9408	2120660.1210	-1.9080	0.0980	-9060801.2922	968327.4106	-9060801.2922	968327.4106
X1 - Year	2115.4106	1113.6106	1.8996	0.0993	-517.8599	4748.6811	-517.8599	4748.6811
X3 - Population	-0.1030	0.0636	-1.6188	0.1495	-0.2535	0.0475	-0.2535	0.0475

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
20,704	2027	6,009,133	2,145,474	1,494,285
23,810	2032	6,335,768	2,218,033	1,578,194
31,690	2042	7,030,550	2,346,964	1,730,517

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
21497	2027	6,009,133	2,145,474	1,494,285
26166	2032	6,335,768	2,218,033	1,578,194
35571	2042	7,030,550	2,346,964	1,730,517

Best Subsets Analysis

Regression Statistics	
Multiple R	0.7167
R Square	0.5137
Adjusted R Square	0.2705
Standard Error	1478.5091
Observations	10

ANOVA

	df	SS	MS	F	Significance F
Regression	3	13854031.0798	4618010.3599	2.1125	0.2000
Residual	6	13115935.4202	2185989.2367		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-4046544.9400	2291146.6413	-1.7662	0.1278	-9652778.8092	1559688.9293	-9652778.8092	1559688.9293
X1 - Year	2115.5968	1203.2362	1.7583	0.1292	-828.6160	5059.8097	-828.6160	5059.8097
X3 - Population	-0.1031	0.0716	-1.4395	0.2001	-0.2784	0.0722	-0.2784	0.0722
X4 - Employment	0.0001	0.0221	0.0060	0.9954	-0.0540	0.0543	-0.0540	0.0543

Best Subsets Analysis

X1 X2

Regression Statistics	
Multiple R	0.7114
R Square	0.5060
Adjusted R Square	0.3649
Standard Error	1379.5421
Observations	10

ANOVA

	df	SS	MS	F	Significance F
Regression	2	13648011.4517	6824005.7258	3.5857	0.0847
Residual	7	13321955.0483	1903136.4355		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-1669283.6270	717809.3858	-2.3255	0.0530	-3366633.1086	28065.8546	-3366633.1086	28065.8546
X1 - Year	829.3910	352.5075	2.3528	0.0509	-4.1568	1662.9388	-4.1568	1662.9388
X2 - US Air Taxi	0.0016	0.0010	1.5722	0.1599	-0.0008	0.0040	-0.0008	0.0040

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
19,508	2027	6,009,133	2,145,474	1,494,285
24,258	2032	6,335,768	2,218,033	1,578,194
32,880	2042	7,030,550	2,346,964	1,730,517

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
19,648	2027	6,009,133	2,145,474	1,494,285
22,807	2032	6,335,768	2,218,033	1,578,194
28,557	2042	7,030,550	2,346,964	1,730,517

Best Subsets Analysis

Regression Statistics	
Multiple R	0.6927
R Square	0.4799
Adjusted R Square	0.2198
Standard Error	1529.0077
Observations	10

ANOVA					
	df	SS	MS	F	Significance F
Regression	3	12942779.9619	4314259.9873	1.8454	0.2396
Residual	6	14027186.5381	2337864.4230		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-151702.7033	86911.8489	-1.7455	0.1315	-364368.3365	60962.9299	-364368.3365	60962.9299
X2 - US Air Taxi	0.0028	0.0017	1.5814	0.1649	-0.0015	0.0070	-0.0015	0.0070
X3 - Population	0.1009	0.0569	1.7729	0.1266	-0.0384	0.2401	-0.0384	0.2401
X4 - Employment	-0.0414	0.0343	-1.2049	0.2736	-0.1254	0.0426	-0.1254	0.0426

Best Subsets Analysis

X2 X3

Regression Statistics	
Multiple R	0.5950
R Square	0.3541
Adjusted R Square	0.1695
Standard Error	1577.5724
Observations	10

ANOVA					
	df	SS	MS	F	Significance F
Regression	2	9548823.7864	4774411.8932	1.9184	0.2166
Residual	7	17421142.7136	2488734.6734		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-69420.3171	55466.3132	-1.2516	0.2509	-200577.3064	61736.6722	-200577.3064	61736.6722
X2 - US Air Taxi	0.0012	0.0012	0.9934	0.3536	-0.0016	0.0040	-0.0016	0.0040
X3 - Population	0.0382	0.0237	1.6081	0.1518	-0.0180	0.0943	-0.0180	0.0943

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
18,313	2027	6,009,133	2,145,474	1,494,285
19,855	2032	6,335,768	2,218,033	1,578,194
23,078	2042	7,030,550	2,346,964	1,730,517

Best Subsets Analysis

X1 X4

Regression Statistics

Multiple R	0.5880
R Square	0.3457
Adjusted R Square	0.1588
Standard Error	1587.7095
Observations	10

ANOVA

	df	SS	MS	F	Significance F
Regression	2	9324216.9514	4662108.4757	1.8494	0.2265
Residual	7	17645749.5486	2520821.3641		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-895021.8668	725422.7926	-1.2338	0.2571	-2610374.1947	820330.4612	-2610374.1947	820330.4612
X1 - Year	457.1114	372.6311	1.2267	0.2596	-424.0212	1338.2439	-424.0212	1338.2439
X4 - Employment	-0.0089	0.0228	-0.3885	0.7092	-0.0627	0.0450	-0.0627	0.0450

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
18,671	2027	6,009,133	2,145,474	1,494,285
20,318	2032	6,335,768	2,218,033	1,578,194

Best Subsets Analysis

X1 - Year (X1)

Regression Statistics

Multiple R	0.5759
R Square	0.3316
Adjusted R Square	0.2481
Standard Error	1501.0938
Observations	10

ANOVA

	df	SS	MS	F	Significance F
Regression	1	8943705.8455	8943705.8455	3.9692	0.0815
Residual	8	18026260.6545	2253282.5818		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-648727.5455	333422.4505	-1.9457	0.0876	-1417601.0950	120146.0041	-1417601.0950	120146.0041
X1 - Year	329.2545	165.2650	1.9923	0.0815	-51.8472	710.3563	-51.8472	710.35629

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
17,924	2027	6,009,133	2,145,474	1,494,285
19,120	2032	6,335,768	2,218,033	1,578,194
21,241	2042	7,030,550	2,346,964	1,730,517

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
17,974	2027	6,009,133	2,145,474	1,494,285
19,190	2032	6,335,768	2,218,033	1,578,194
21,350	2042	7,030,550	2,346,964	1,730,517

Best Subsets Analysis

X3 X4

Regression Statistics

Multiple R	0.5129
R Square	0.2631
Adjusted R Square	0.0526
Standard Error	1684.9689
Observations	10

ANOVA

	df	SS	MS	F	Significance F
Regression	2	7096126.3171	3548063.1585	1.2497	0.3435
Residual	7	19873840.1829	2839120.0261		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-18279.6104	22994.8305	-0.7949	0.4528	-72653.7443	36094.5234	-72653.7443	36094.5234
X3 - Population	0.0175	0.0235	0.7425	0.4819	-0.0382	0.0732	-0.0382	0.0732
X4 - Employment	-0.0009	0.0252	-0.0347	0.9733	-0.0605	0.0587	-0.0605	0.0587

Best Subsets Analysis

X3 - Population (X3)

Regression Statistics

Multiple R	0.5128
R Square	0.2630
Adjusted R Square	0.1709
Standard Error	1576.2795
Observations	10

ANOVA

	df	SS	MS	F	Significance F
Regression	1	7092710.7079	7092710.7079	2.8546	0.1296
Residual	8	19877255.7921	2484656.9740		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-17971.6143	19842.8877	-0.9057	0.3916	-63729.3954	27786.1667	-63729.3954	27786.1666
X3 - Population	0.0168	0.0099	1.6896	0.1296	-0.0061	0.0396	-0.0061	0.0396

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
18,215	2027	6,009,133	2,145,474	1,494,285
19,380	2032	6,335,768	2,218,033	1,578,194
21,483	2042	7,030,550	2,346,964	1,730,517

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
18,357	2027	6,009,133	2,145,474	1,494,285
19,686	2032	6,335,768	2,218,033	1,578,194
22,098	2042	7,030,550	2,346,964	1,730,517

Best Subsets Analysis

X2 X4

Regression Statistics	
Multiple R	0.4554
R Square	0.2074
Adjusted R Square	-0.0190
Standard Error	1747.4808
Observations	10

ANOVA

	df	SS	MS	F	Significance F
Regression	2	5594143.1378	2797071.5689	0.9160	0.4432
Residual	7	21375823.3622	3053689.0517		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-2509.1484	24839.6890	-0.1010	0.9224	-61245.6794	56227.3825	-61245.6794	56227.3825
X2 - US Air Taxi	-0.0001	0.0007	-0.1440	0.8896	-0.0019	0.0017	-0.0019	0.0017
X4 - Employment	0.0143	0.0159	0.9015	0.3973	-0.0232	0.0518	-0.0232	0.0518

Best Subsets Analysis

X4 - Employment (X4)

Regression Statistics	
Multiple R	0.4529
R Square	0.2051
Adjusted R Square	0.1057
Standard Error	1637.0378
Observations	10

ANOVA

	df	SS	MS	F	Significance F
Regression	1	5530823.4051	5530823.4051	2.0638	0.1888
Residual	8	21439143.0949	2679892.8869		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	-5304.1227	14520.9997	-0.3653	0.7244	-38789.6080	28181.3627	-38789.6080	28181.3627
X4 - Employment	0.0158	0.0110	1.4366	0.1888	-0.0096	0.0413	-0.0096	0.04125

MKC Air Taxi Operations  
Regression Analysis

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
15,656	2013	8,803,402	1,916,512	1,232,457
14,233	2014	8,439,711	1,934,700	1,257,064
15,239	2015	7,895,478	1,953,771	1,285,229
14,685	2016	7,580,119	1,977,133	1,309,666
13,433	2017	7,179,651	1,999,016	1,327,819
15,163	2018	7,125,556	2,018,958	1,348,257
15,747	2019	7,234,239	2,034,377	1,353,414
16,305	2020	5,471,641	2,047,658	1,299,246
15,075	2021	5,884,738	2,053,036	1,360,932
19,899	2022	6,522,238	2,068,912	1,391,779

Results

Y1 - MKC Air Taxi	X1 - Year	X2 - US Air Taxi	X3 - Population	X4 - Employment
16,218	2027	6,009,133	2,145,474	1,494,285
16,035	2032	6,335,768	2,218,033	1,578,194
15,646	2042	7,030,550	2,346,964	1,730,517

Best Subsets Analysis

X2 - US Air Taxi (X2)

Regression Statistics	
Multiple R	0.3397
R Square	0.1154
Adjusted R Square	0.0048
Standard Error	1726.8966
Observations	10

ANOVA

	df	SS	MS	F	Significance F
Regression	1	3112592.1429	3112592.1429	1.0437	0.3369
Residual	8	23857374.3571	2982171.7946		
Total	9	26969966.5000			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95%	Upper 95%
Intercept	19584.7146	3993.1606	4.9046	0.0012	10376.4697	28792.9595	10376.4697	28792.95952
X2 - US Air Taxi	-0.0006	0.0005	-1.0216	0.3369	-0.0018	0.0007	-0.0018	0.00070