

state_city	avganncount	avgdeathsperyear	target_deathrate	incidencerate	medincome	popest2015	povertypercent	studypercap	binnedinc
Ohio	169	75	217.2	493.1	34116	28024	24.8	0	[22640, 34218.1]
Ohio	569	241	185	456.6	43602	104425	18	536.2700503	(42724.4, 45201]
Ohio	275	127	189.4	426	47369	53213	14.6	1390.637626	(45201, 48021.6]
Ohio	625	263	203.2	498.3	39757	98632	21.5	496.7961716	(37413.8, 40362.7]
Ohio	271	105	192.1	489.6	34216	65886	29.9	15.17773123	[22640, 34218.1]
Ohio	269	110	189.7	484.8	52650	45876	8.3	0	(51046.4, 54545.6]
Ohio	406	185	185.2	427.9	41983	69154	16.1	0	(40362.7, 42724.4]
Ohio	264	112	213.3	500.2	46484	43839	15	0	(45201, 48021.6]
Ohio	1721	706	189	458.9	58558	376353	14.4	263.0509123	(54545.6, 61494.5]
Ohio	180	67	172.8	472.5	46177	27811	13.5	71.91399087	(45201, 48021.6]
Ohio	215	90	190.1	462.1	50302	38987	11.3	0	(48021.6, 51046.4]
Ohio	814	360	200.6	471.1	42029	135959	18.2	478.0853051	(40362.7, 42724.4]

medianage	medianagemale	medianagefemale	geography	percentmarried	pctnohs18_24	pcths18_24	pctsomecol18_24	pctbachdeg18_24
41	40.2	41.5	Adams County, Ohio	52.8	16.5	47.2	32.8	3.5
38.1	36.5	40	Allen County, Ohio	46.2	16.7	32.3		6.6
39.9	38.8	41.1	Ashland County, Ohio	53.6	13.7	31.4		5.3
41.8	40.5	43.4	Ashtabula County, Ohio	48.2	25.4	41.9	30.3	2.5
28	27.5	28.6	Athens County, Ohio	35.1	2.3	15.7		7
41	39.8	42.2	Auglaize County, Ohio	58.4	16.5	39.9		4.7
43.9	41.3	46.5	Belmont County, Ohio	50.6	18.1	36.6		5.5
40.8	40.3	41.3	Brown County, Ohio	54.1	7.6	45.3		3.1
36.4	35.2	37.7	Butler County, Ohio	50.5	9.5	33.7		7.8
44.5	43.3	46.1	Carroll County, Ohio	58.4	17	44.1		5.3
41.2	39.7	42.8	Champaign County, Ohio	55.2	15.6	40.5		3.9
41	39.8	42	Clark County, Ohio	48.4	16.1	34.7	44.1	5.1

pcths25_over	pctbachdeg25_over	pctemployed16_over	pctunemployed16_over	pctprivatecoverage	pctprivatecoveragealone	pctempprivcoverage
43.6	6.4	46	13.4	49.6	37.2	34.6
39.7	10.1	57.1	9.2	68.4	51.8	48.1
42.8	13.1	57	7.8	70.7	54	50.1
44.9	8.9	50.7	8.9	61.7	46.9	43
32.3	13.9	47.7	10.9	70.6	58.6	51.4
43.9	11.6	63.4	5	78.2		55.4
43.5	9.4	51.3	8.5	69.5	51.5	47.9
48.1	8	53.3	9.9	63.2	49.4	45.1
34	18.4	60.6	7.2	73.6	61.6	56.5
47.5	6.7	55	7.1	65.3	50	45.4
45.1	10.7	58.2	9.1	71.9	55.4	51.5
36.4	11.5	54.1	10	64.9	47.8	43.6

pctpubliccoverage	pctpubliccoveragealone	pctwhite	pctblack	pctasian	pctotherrace	pctmarriedhouseholds	birthrate
46.4	31	97.4281767	0.382585285	0.109816147	0.092103865	50.47890956	4.079365079
36.2	19.5	83.54500171	12.05844329	0.751929731	0.531389026	46.1311459	6.237398089
32	15.4	96.93733667	0.836639155	0.537705165	0.342176014	54.49160425	5.646027941
39.1	22.6	93.25596079	3.406596711	0.472052677	0.484079497	47.3540756	6.447299298
31.3	18.6	91.04257087	2.328623757	3.336719303	0.333979746	40.43404785	2.52476505
30.7	14.2	97.39280187	0.451245831	0.512283914	0.364048569	56.72511405	6.028766704
37.7	18.8	93.48907418	3.834100058	0.368027602	0.405405405	49.99105065	3.534951105
37.4	21.5	97.2359708	0.98537754	0.185323299	0.19436346	54.66050864	8.672957238
27.7	16	86.03229738	7.785514498	2.670868475	1.001508571	52.67666271	5.479735318
35.1	19.6	97.16864709	0.835654596	0.222136032	0.363174782	59.31461903	5.228870221
34.2	17.8	94.44317518	1.896275988	0.385855355	0.390932399	55.08958456	4.636217581
40.9	23.2	86.24101968	8.512939698	0.724272256	1.196401295	46.15847762	5.319358009

Column	Label	Type	Description	Reference
A	state_city	string	State name or city name	
B	avganncount	decimal	Mean number of reported cases of cancer diagnosed annually	(a)
C	avgdeathsperyear	integer	Mean number of reported mortalities due to cancer	(a)
D	target_deathrate	decimal	Dependent variable. Mean per capita (100,000) cancer mortalities	(a)
E	incidencerate	decimal	Mean per capita (100,000) cancer diagnoses	(a)
F	medincome	integer	Median income per county	(b)
G	popest2015	integer	Population of county	(b)
H	povertypercent	decimal	Percent of populace in poverty	(b)
I	studypercap	decimal	Per capita number of cancer-related clinical trials per county	(a)
J	binnedinc	string	Median income per capita binned by decile	(b)
K	medianage	decimal	Median age of county residents	(b)
L	medianagemale	decimal	Median age of male county residents	(b)
M	medianagefemale	decimal	Median age of female county residents	(b)
N	geography	string	County name	(b)
O	percentmarried	decimal	Percent of county residents who are married	(b)
P	pctnohs18_24	decimal	Percent of county residents ages 18-24 highest education attained: less than high school	(b)
Q	pcths18_24	decimal	Percent of county residents ages 18-24 highest education attained: high school diploma	(b)
R	pctsomecol18_24	decimal	Percent of county residents ages 18-24 highest education attained: some college	(b)
S	pctbachdeg18_24	decimal	Percent of county residents ages 18-24 highest education attained: bachelor's degree	(b)
T	pcths25_over	decimal	Percent of county residents ages 25 and over highest education attained: high school diploma	(b)
U	pctbachdeg25_over	decimal	Percent of county residents ages 25 and over highest education attained: bachelor's degree	(b)
V	pctemployed16_over	decimal	Percent of county residents ages 16 and over employed	(b)
W	pctunemployed16_over	decimal	Percent of county residents ages 16 and over unemployed	(b)
X	pctprivatecoverage	decimal	Percent of county residents with private health coverage	(b)
Y	pctprivatecoveragealone	decimal	Percent of county residents with private health coverage alone (no public assistance)	(b)
Z	pctempprivcoverage	decimal	Percent of county residents with employee-provided private health coverage	(b)
AA	pctpubliccoverage	decimal	Percent of county residents with government-provided health coverage	(b)
AB	pctpubliccoveragealone	decimal	Percent of county residents with government-provided health coverage alone	(b)
AC	pctwhite	decimal	Percent of county residents who identify as White	(b)
AD	pctblack	decimal	Percent of county residents who identify as Black	(b)
AE	pctasian	decimal	Percent of county residents who identify as Asian	(b)
AF	pctotherrace	decimal	Percent of county residents who identify in a category which is not White, Black, or Asian	(b)

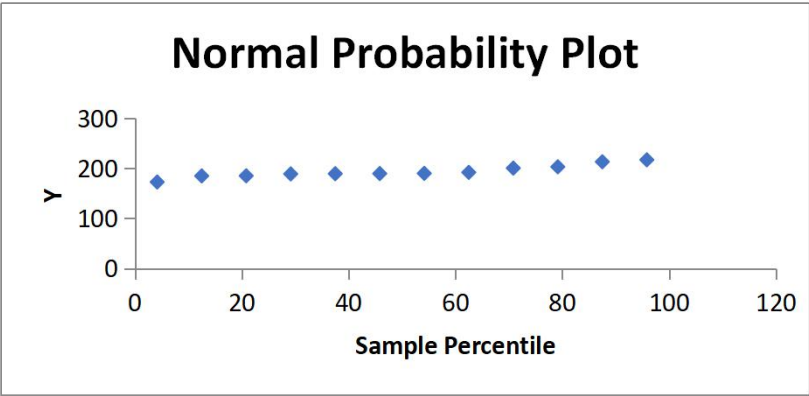
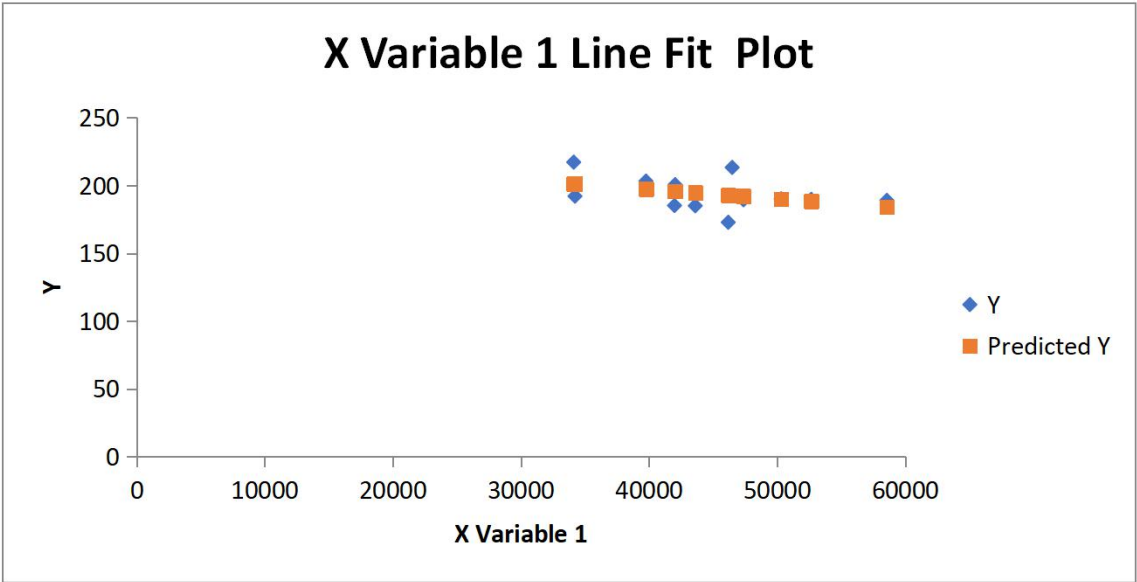
AG	pctmarriedhouseholds	decimal	Percent of married households	(b)
AH	birthrate	decimal	Number of live births relative to number of women in county	(b)
Note:				
(a): years 2010-2016				
(b): 2013 Census Estimates				

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.395180237
R Square	0.15616742
Adjusted R Square	0.071784162
Standard Error	12.08327516
Observations	12

ANOVA					
	df	SS	MS	F	Significance F
Regression	1	270.2112813	270.2112813	1.850691994	0.203576882
Residual	10	1460.055385	146.0055385		
Total	11	1730.266667			

	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%	Lower 95.0%	Upper 95.0%
Intercept	225.0338953	23.10166714	9.741024055	2.02065E-06	173.5601732	276.5076174	173.5601732	276.5076
X Variable 1	-0.000693926	0.000510089	-1.360401409	0.203576882	-0.001830475	0.000442623	-0.001830475	0.000443



RESIDUAL OUTPUT

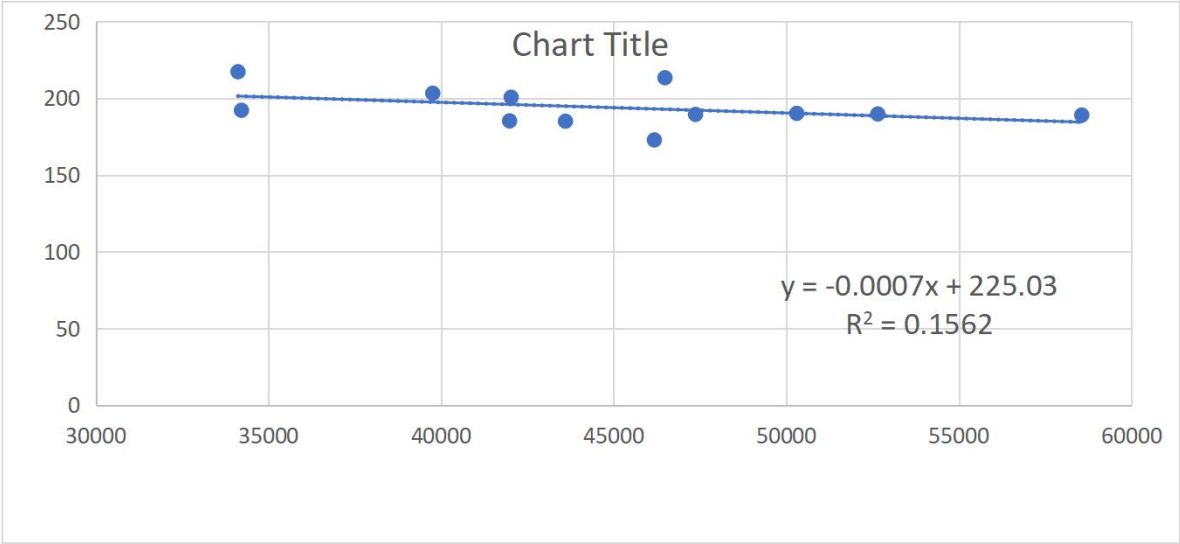
<i>Observation</i>	<i>Predicted Y</i>	<i>Residuals</i>
1	201.3599249	15.84007506
2	194.7773454	-9.777345407
3	192.1633272	-2.763327161
4	197.4454899	5.754510139
5	201.2905324	-9.190532363
6	188.4987054	1.20129465
7	195.9008112	-10.70081117
8	192.7774514	20.52254856
9	184.3989921	4.601007896
10	192.9904866	-20.19048664
11	190.128043	-0.028042978
12	195.8688906	4.73110941

PROBABILITY OUTPUT

<i>Percentile</i>	<i>Y</i>
4.166666667	172.8
12.5	185
20.83333333	185.2
29.16666667	189
37.5	189.4
45.83333333	189.7
54.16666667	190.1
62.5	192.1
70.83333333	200.6
79.16666667	203.2
87.5	213.3
95.83333333	217.2

	target_deathrate (y)	(y^2)	medincome (x)	(x^2)	xy
	217.2	47175.84	34116	1163901456	7409995.2
	185	34225	43602	1901134404	8066370
	189.4	35872.36	47369	2243822161	8971688.6
	203.2	41290.24	39757	1580619049	8078622.4
	192.1	36902.41	34216	1170734656	6572893.6
	189.7	35986.09	52650	2772022500	9987705
	185.2	34299.04	41983	1762572289	7775251.6
	213.3	45496.89	46484	2160762256	9915037.2
	189	35721	58558	3429039364	11067462
	172.8	29859.84	46177	2132315329	7979385.6
	190.1	36138.01	50302	2530291204	9562410.2
	200.6	40240.36	42029	1766436841	8431017.4
TOTAL	2327.6	453207.08	537243	24613651509	103817838.8
AVERAGE	193.9666667		44770.25		

34116	217.2
43602	185
47369	189.4
39757	203.2
34216	192.1
52650	189.7
41983	185.2
46484	213.3
58558	189
46177	172.8
50302	190.1
42029	200.6



X'

1	1	1	1	1	1	1	1	1
4.07937	6.23740	5.64603	6.4473	2.52477	6.02877	3.53495	8.67296	5.47974
0	536.27	1390.64	496.796	15.1777	0	0	0	263.051

X'X

X'

1	1	1
5.22887	4.63622	5.31936
71.914	0	478.085

X'X

medincome (x)	birthrate (x1)	studypercap (x2)
34116	4.079365079	0
43602	6.237398089	536.2700503
47369	5.646027941	1390.637626
39757	6.447299298	496.7961716
34216	2.52476505	15.17773123
52650	6.028766704	0
41983	3.534951105	0
46484	8.672957238	0
58558	5.479735318	263.0509123
46177	5.228870221	71.91399087
50302	4.636217581	0
42029	5.319358009	478.0853051

TOTAL53724363.835711633251.931787

AVERAGE44770.25

birthrate (x1)	studypercap (x2)	target_deathrate (y)
4.079365079	0	217.2
6.237398089	536.2700503	185
5.646027941	1390.637626	189.4
6.447299298	496.7961716	203.2
2.52476505	15.17773123	192.1
6.028766704	0	189.7
3.534951105	0	185.2
8.672957238	0	213.3
5.479735318	263.0509123	189
5.228870221	71.91399087	172.8
4.636217581	0	190.1
5.319358009	478.0853051	200.6

target_deathrate (y)
217.2
185
189.4
203.2
192.1
189.7
185.2
213.3
189
172.8
190.1
200.6

2327.6453207.08

193.9666667

(y^2)

47175.84
34225
35872.36
41290.24
36902.41
35986.09
34299.04
45496.89
35721
29859.84
36138.01
40240.36

