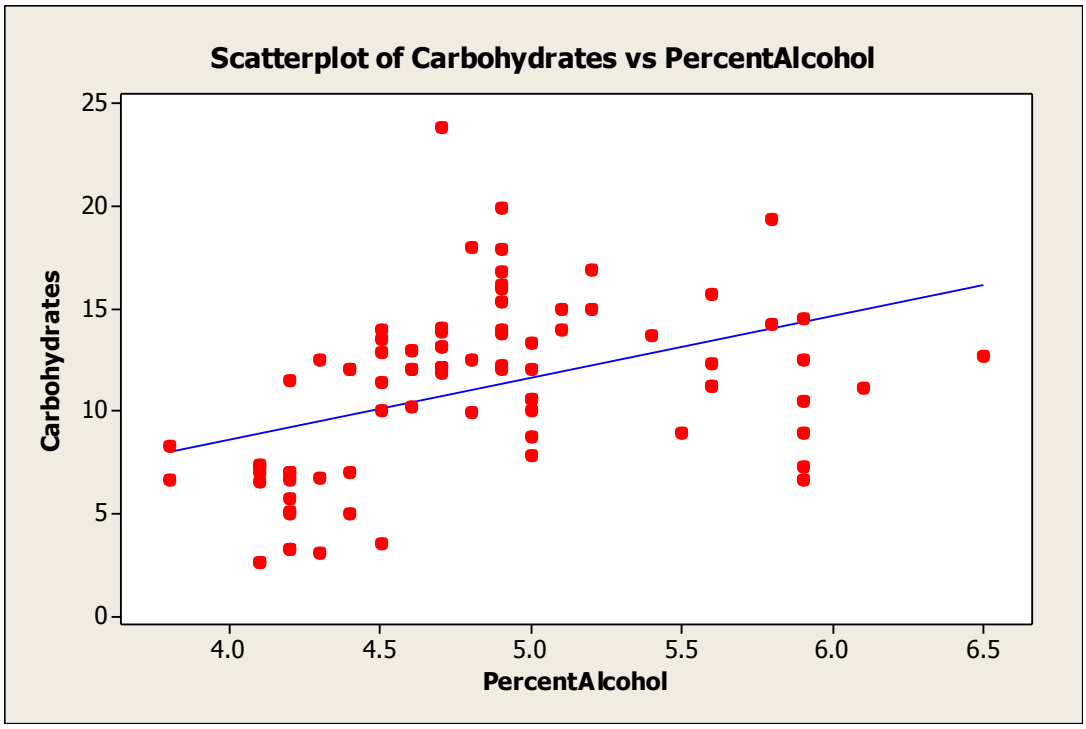
Problem 1.

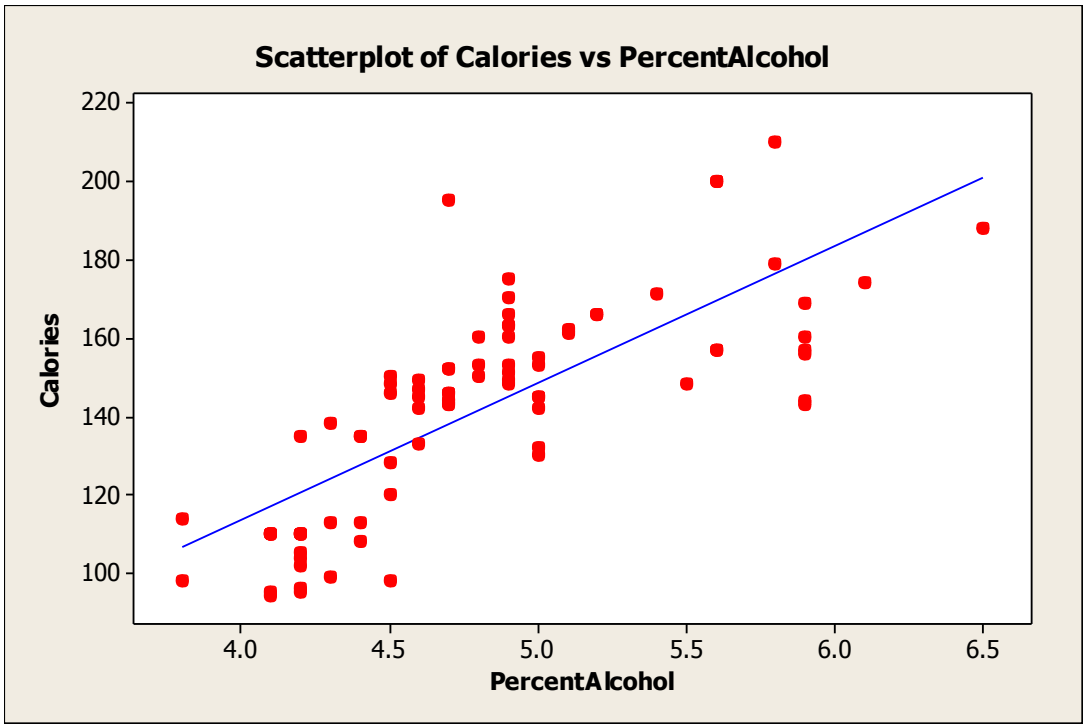
a) Correlation of percent alcohol and the carbohydrates is 0.287.

b) Correlation of percent alcohol and the carbohydrates after delete the outlier is 0.287.

c)

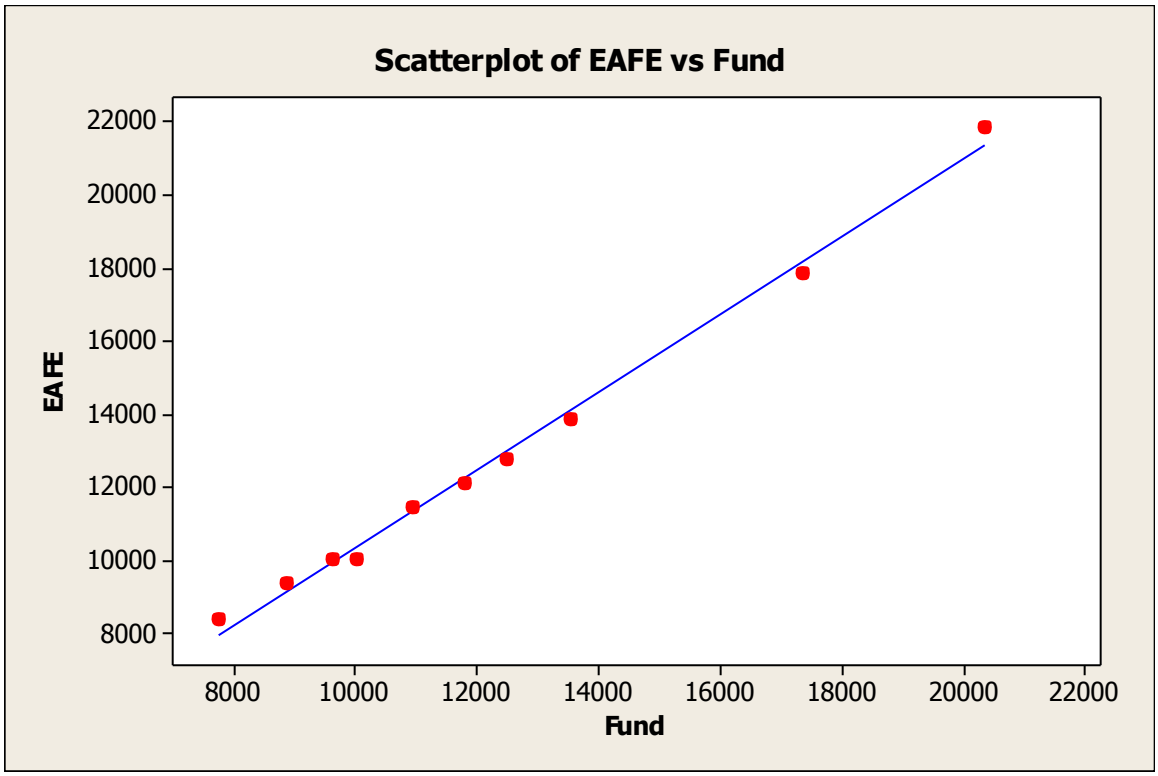


d)



Problem 2.

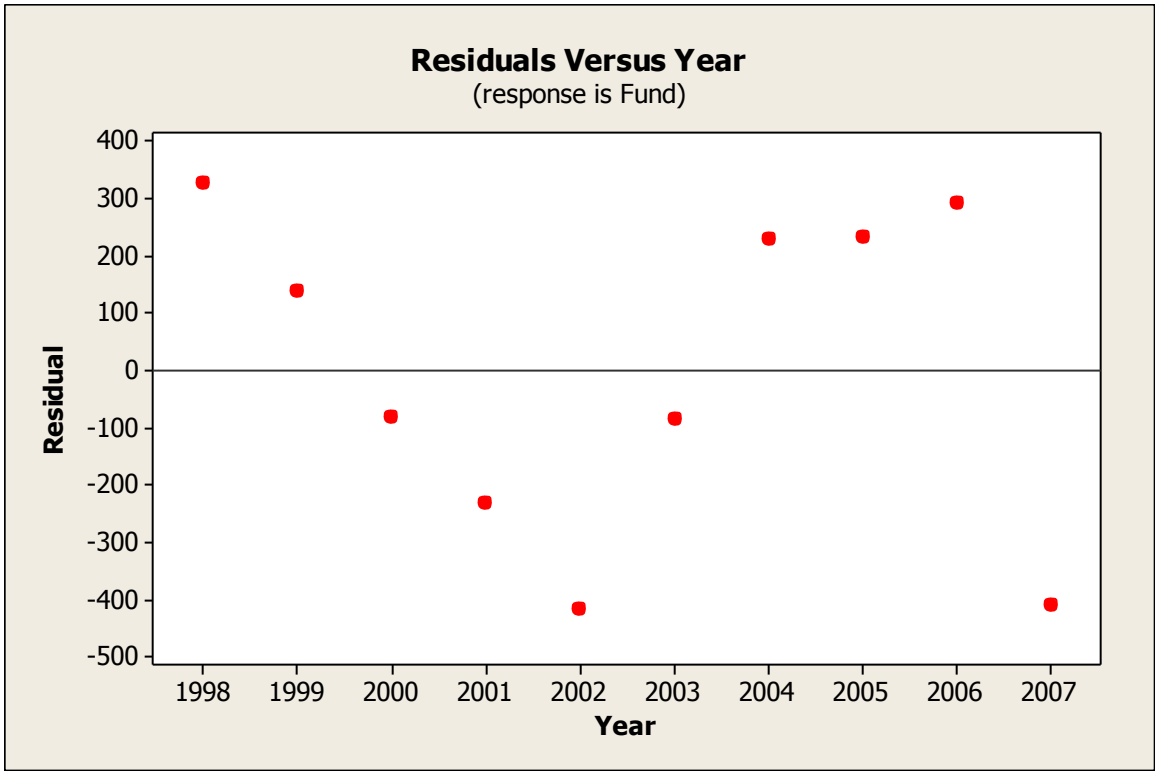
a)



b) The regression equation is

Fund = 319 + 0.935 EAFE

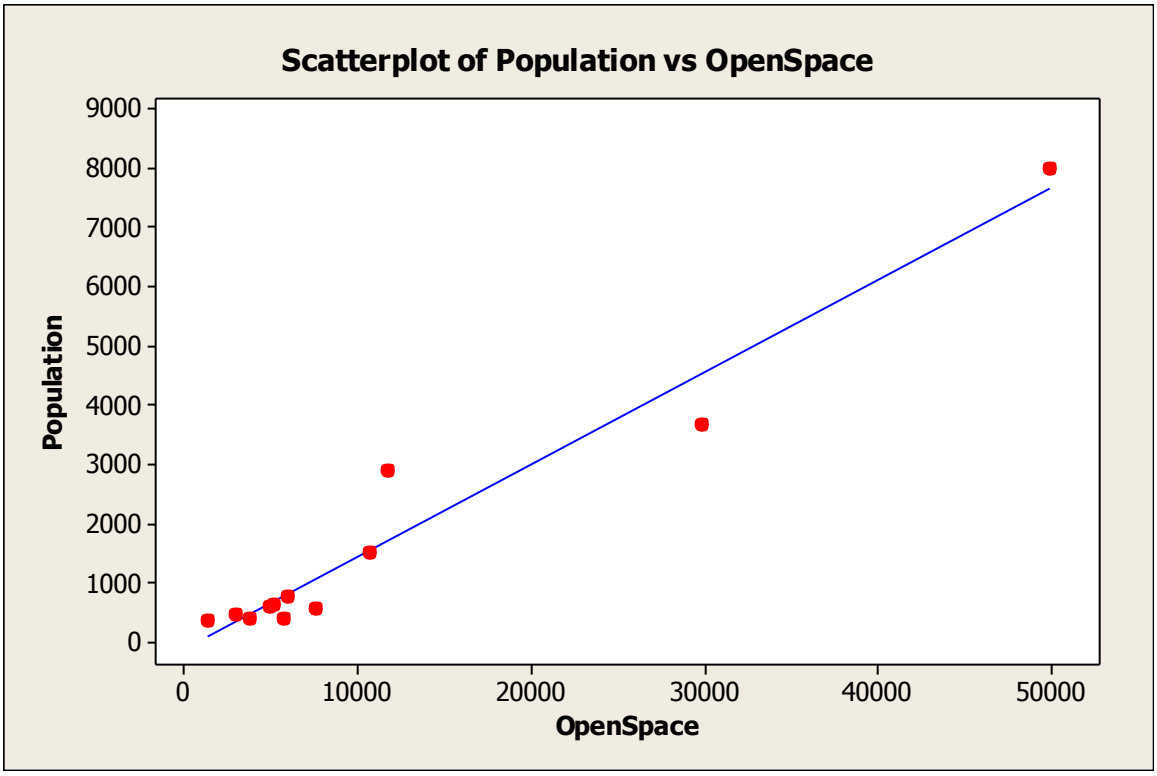
c)



d) The correlation of Year and EAFE is 0.749.
The regression equation is
EAFE = -2060200 + 1035 Year
R-Sq = 56.0%

Problem 3.

a)



b) The regression equation is
Population = - 113 + 0.156 OpenSpace

c) R-Sq = 95.2%

Problem 4.

(a)

Row	City	Population	OpenSpace	RESI1
1	Los Angeles	3695	29801	-837.35
2	WashingtonDC	572	7504	-485.07
3	Minneapolis	383	5694	-391.96
4	Oakland	399	3712	-67.04
5	Boston	589	4865	-56.75
6	Philadelphia	1518	10685	-34.87
7	San Francisco	777	5916	-32.56
8	Baltimore	651	5091	-29.97
9	Long Beach	462	2887	124.55
10	Miami	362	1329	267.39
11	New York	8008	49854	350.12
12	Chicago	2896	11645	1193.50

(b) The regression equation (include New York City) is

OpenSpace = 1248 + 6.10 Population R-Sq = 95.2%

The regression equation (without New York City) is

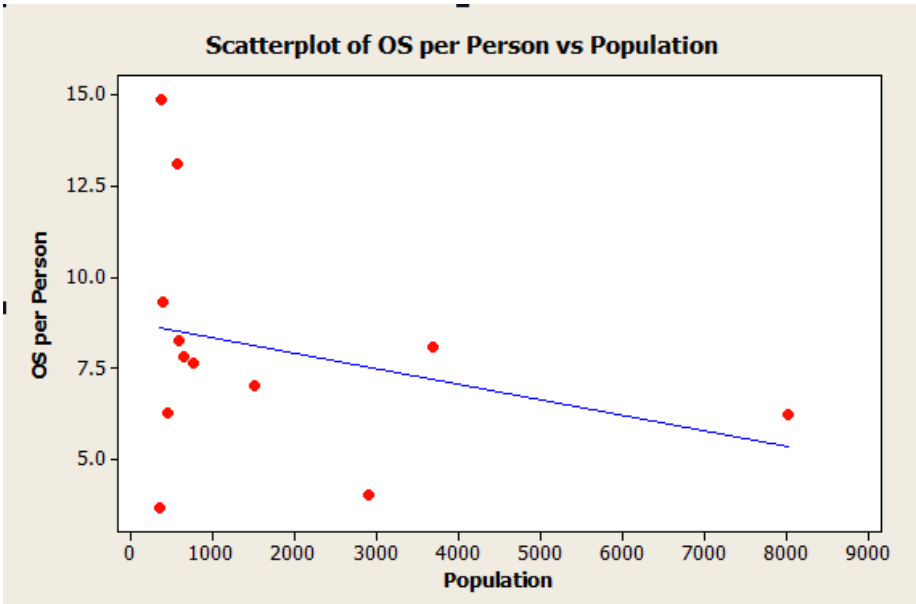
OpenSpace = 1105 + 6.26 Population R-Sq = 82.6%

New York is not an outlier.

According to the regression equation and the R-square values, this is not an influential point.

Problem 5.

(a)



(b) OS per Person = 8.74 – 0.000424 Population

(c) R-Sq = 8.7%