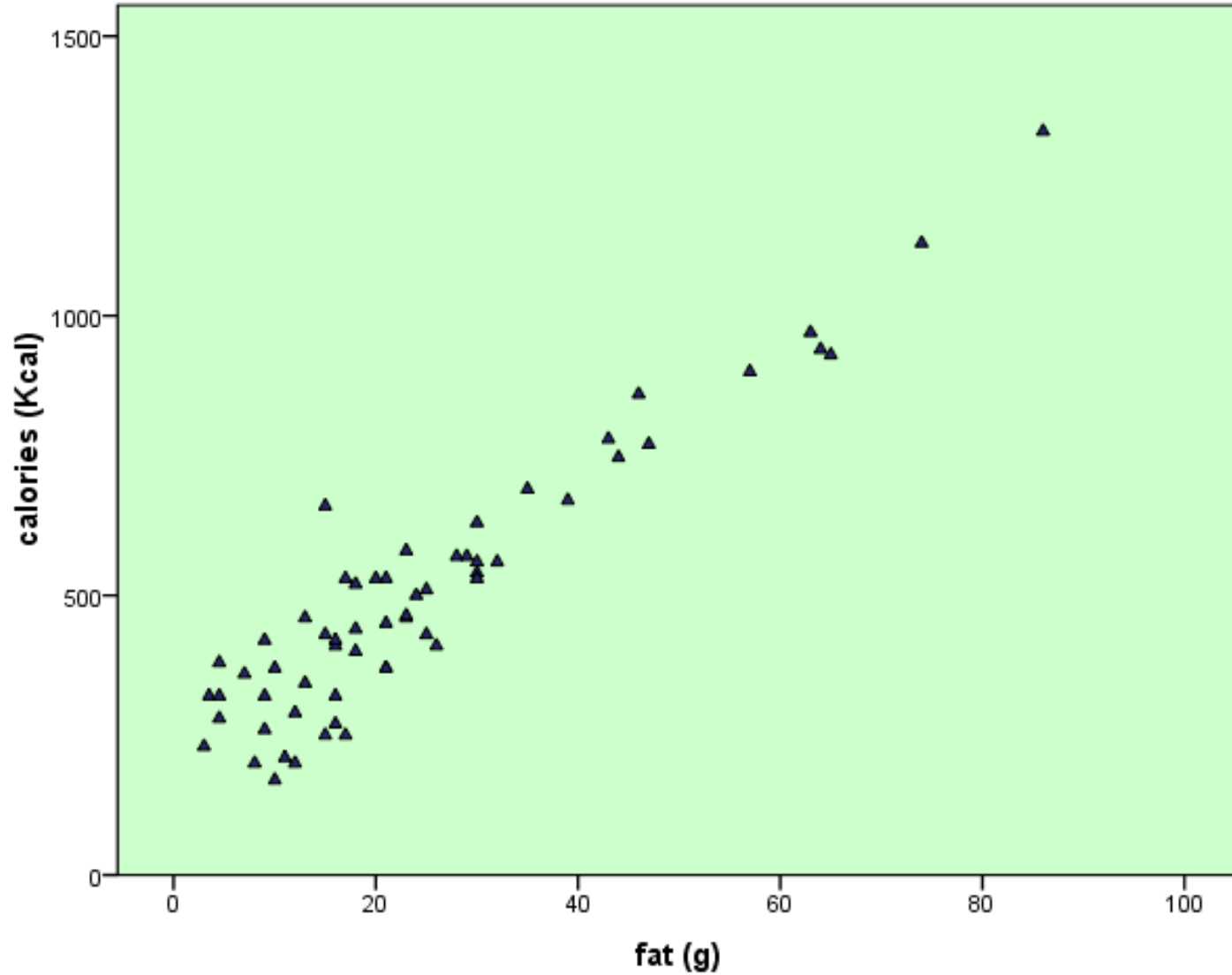
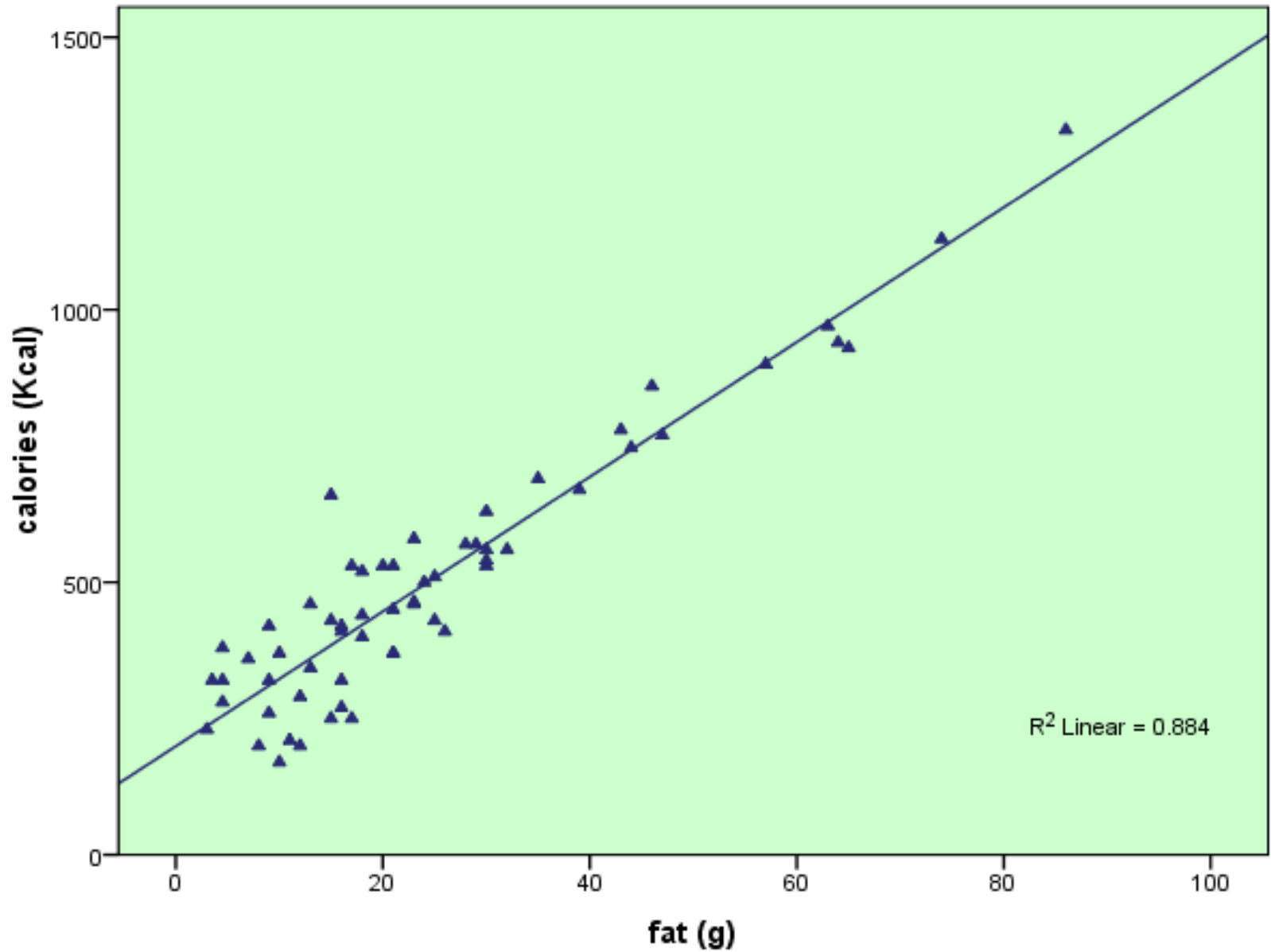


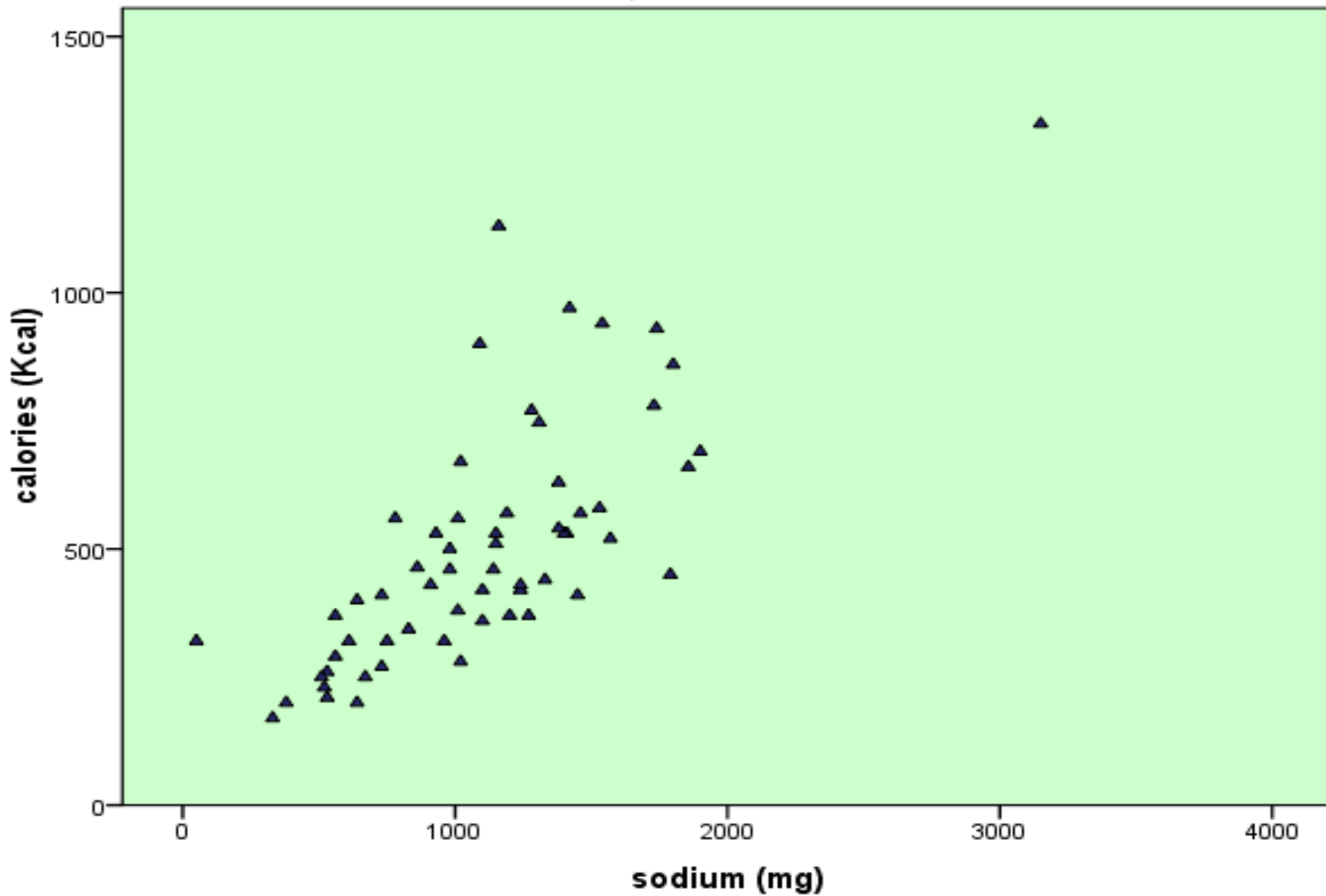
Calories vs. Fat, for 60 Fast Food Items



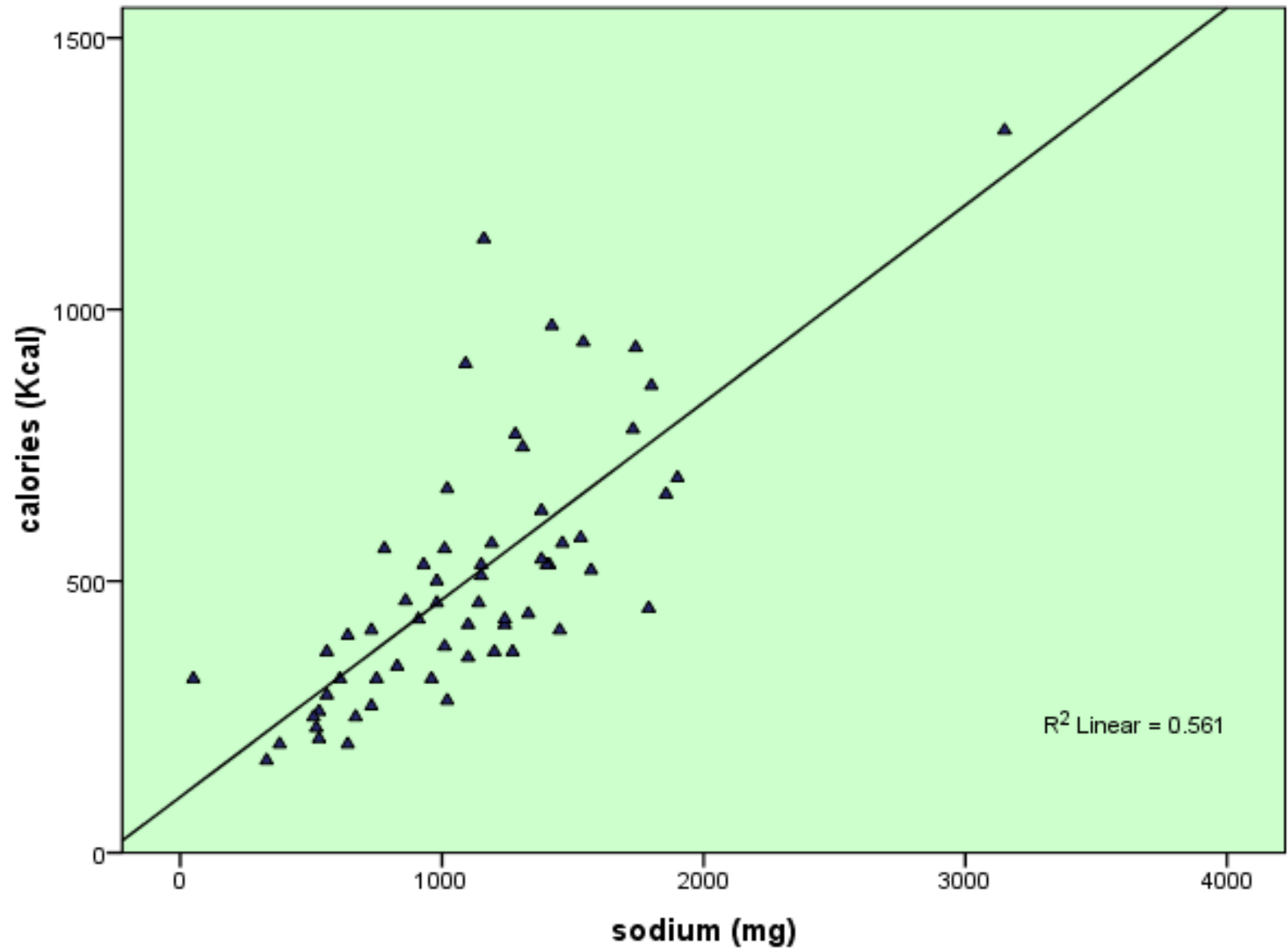
Calories vs. Fat, for 60 Fast Food Items -- with fit line



Calories vs. Sodium, for 60 Fast Food Items

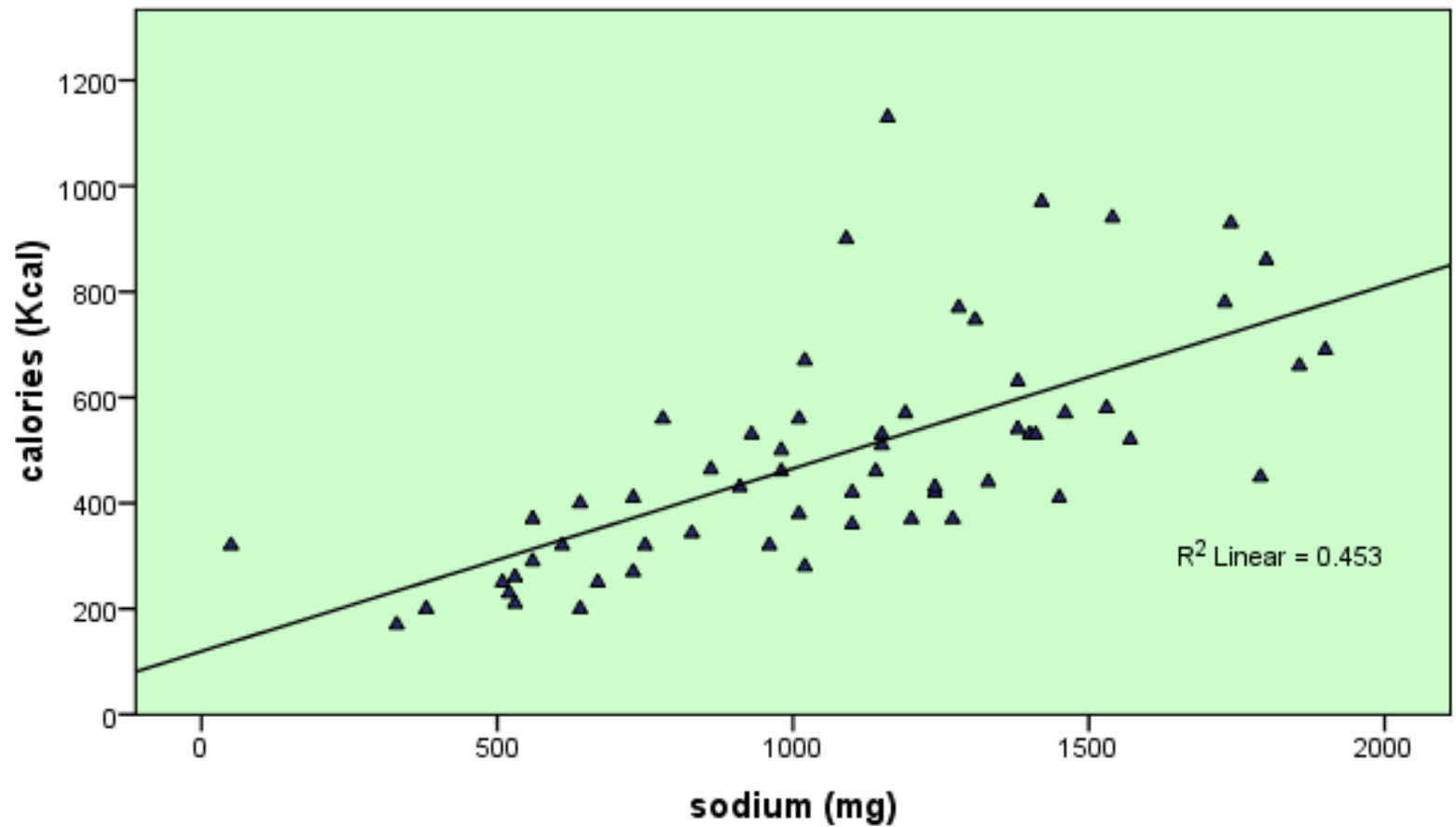


Calories vs. Sodium, for 60 Fast Food Items -- with fit line

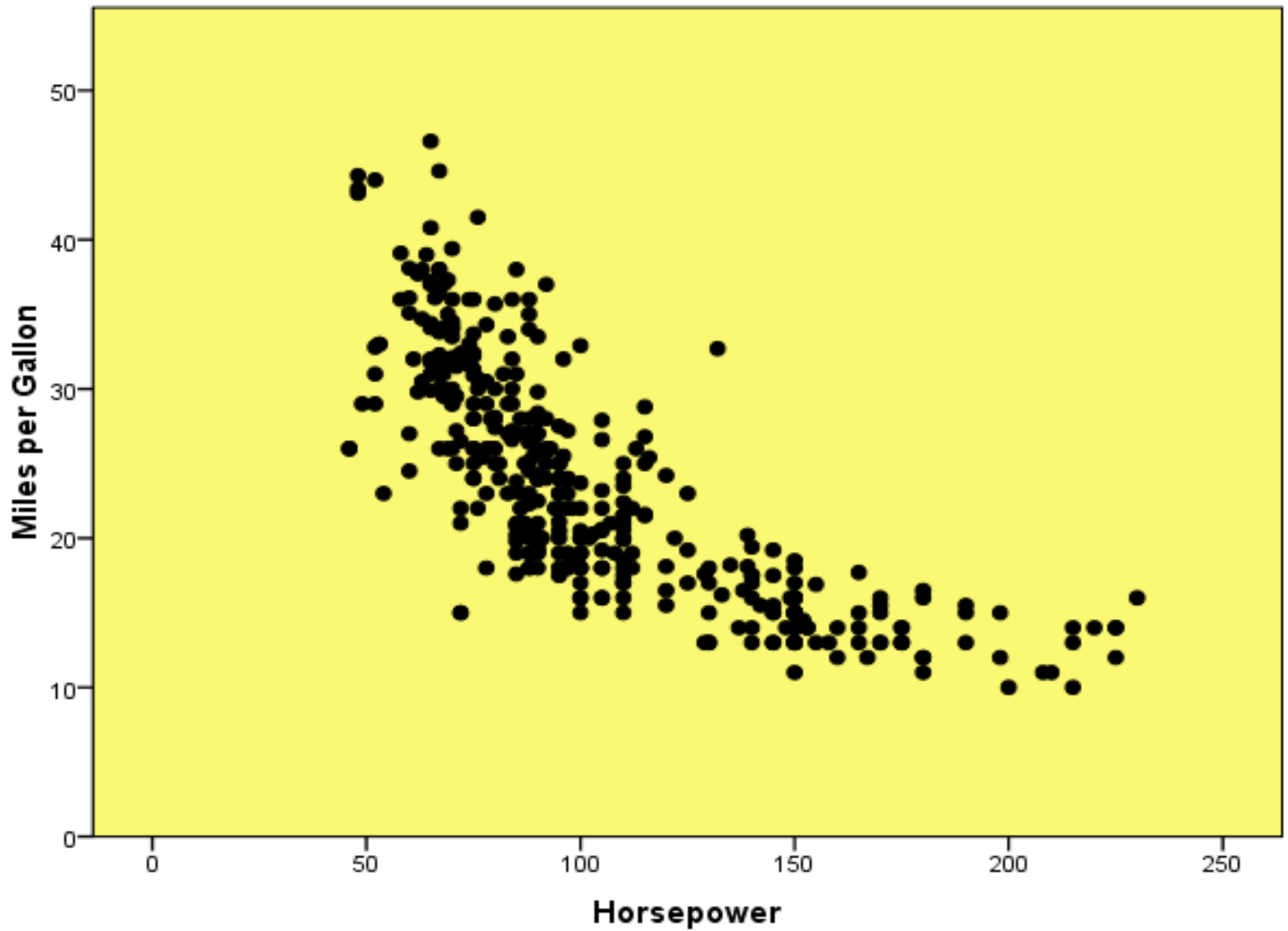


# Calories vs. Sodium, for 59 Fast Food Items -- with fit line

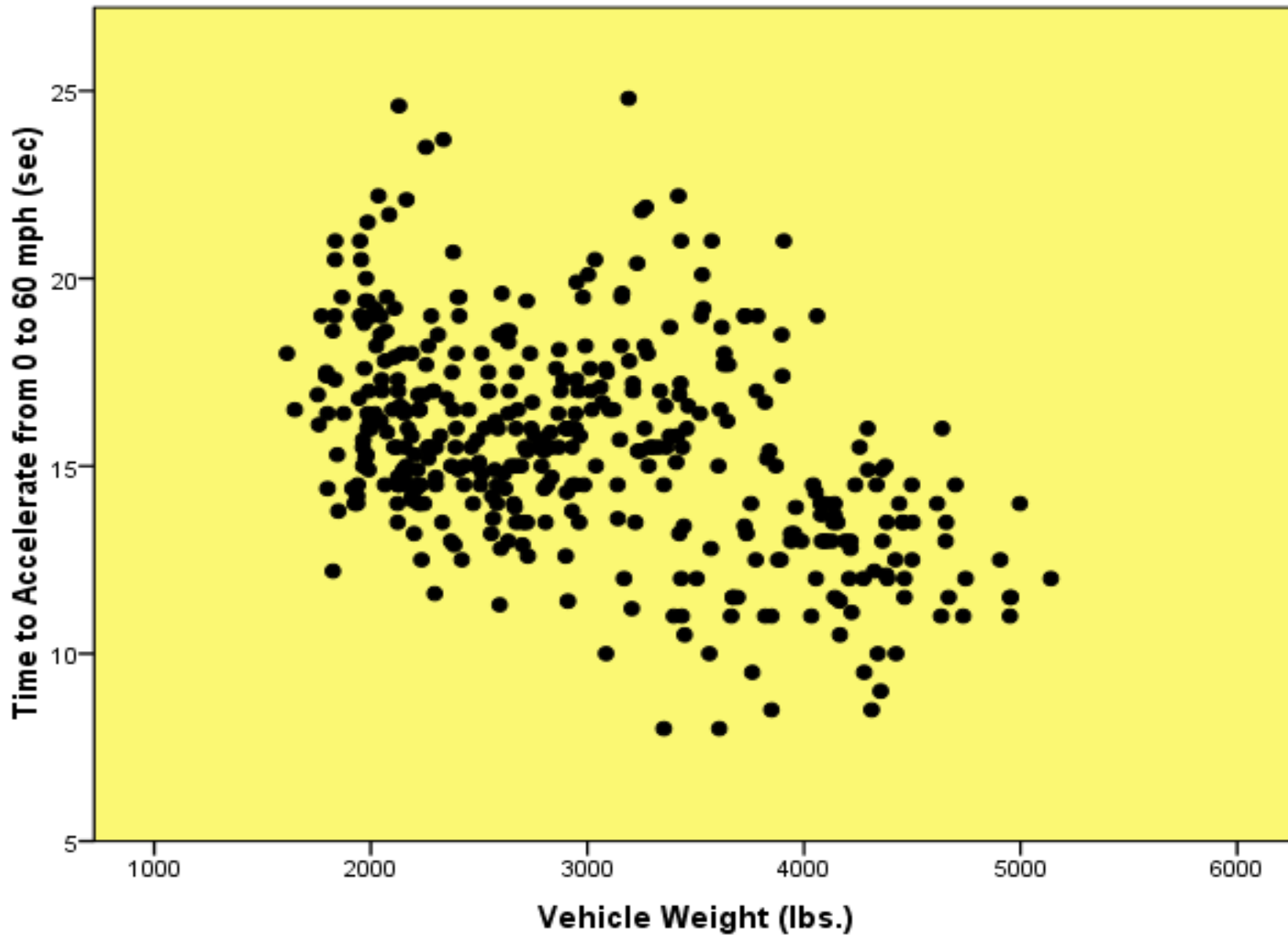
Triple Baconator was excluded



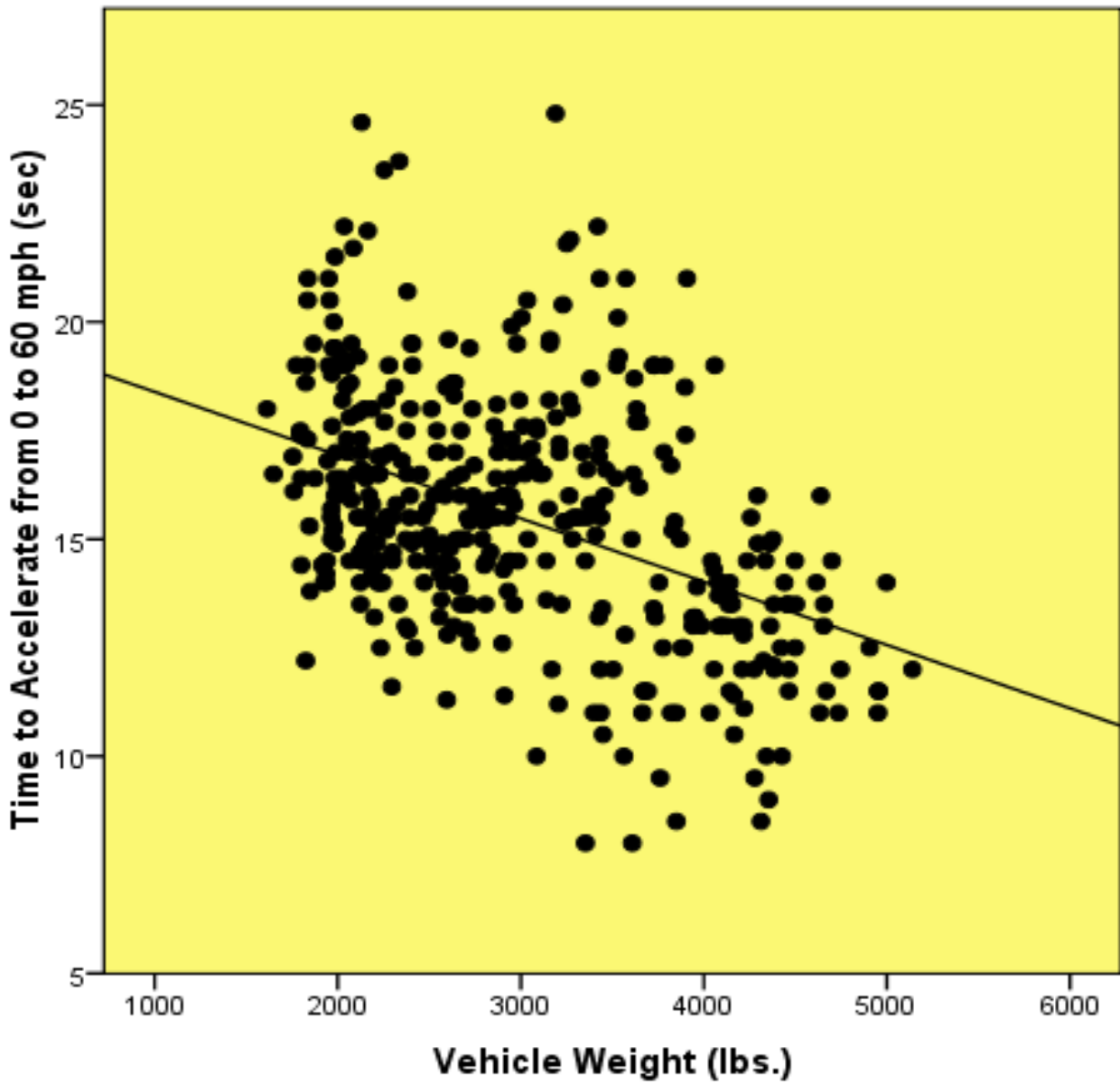
MPG vs. Horsepower for 405 Old Car Models (1970 - 1982)



Acceleration vs. Weight for 405 Old Car Models (1970 - 1982)



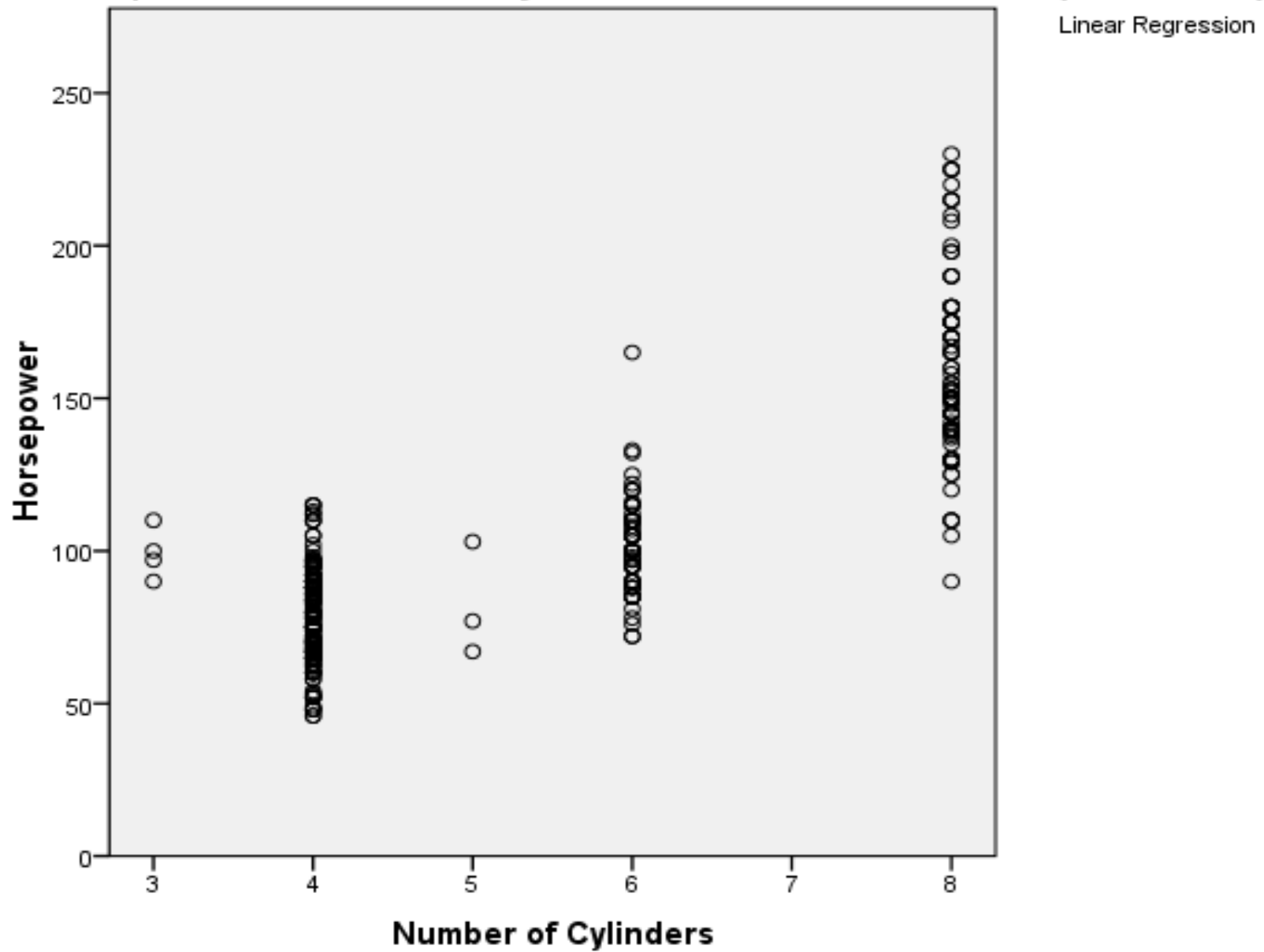
# Acceleration vs. Weight for 405 Old Car Models (1970 - 1982)



Linear Regression

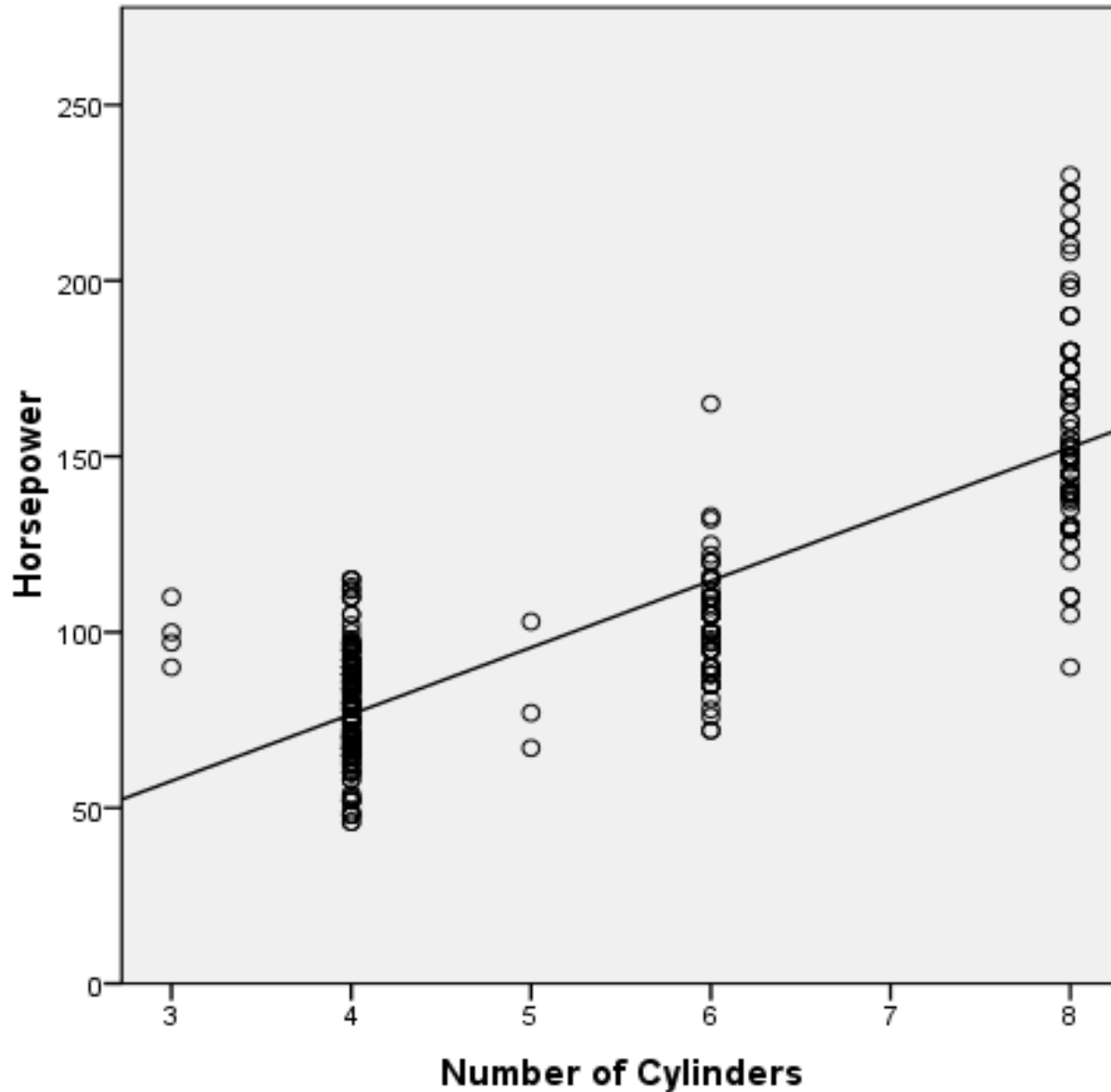
$R^2$  Linear = 0.192

# Horsepower vs. Number of Cylinders for 405 Old Car Models (1970 - 1982)



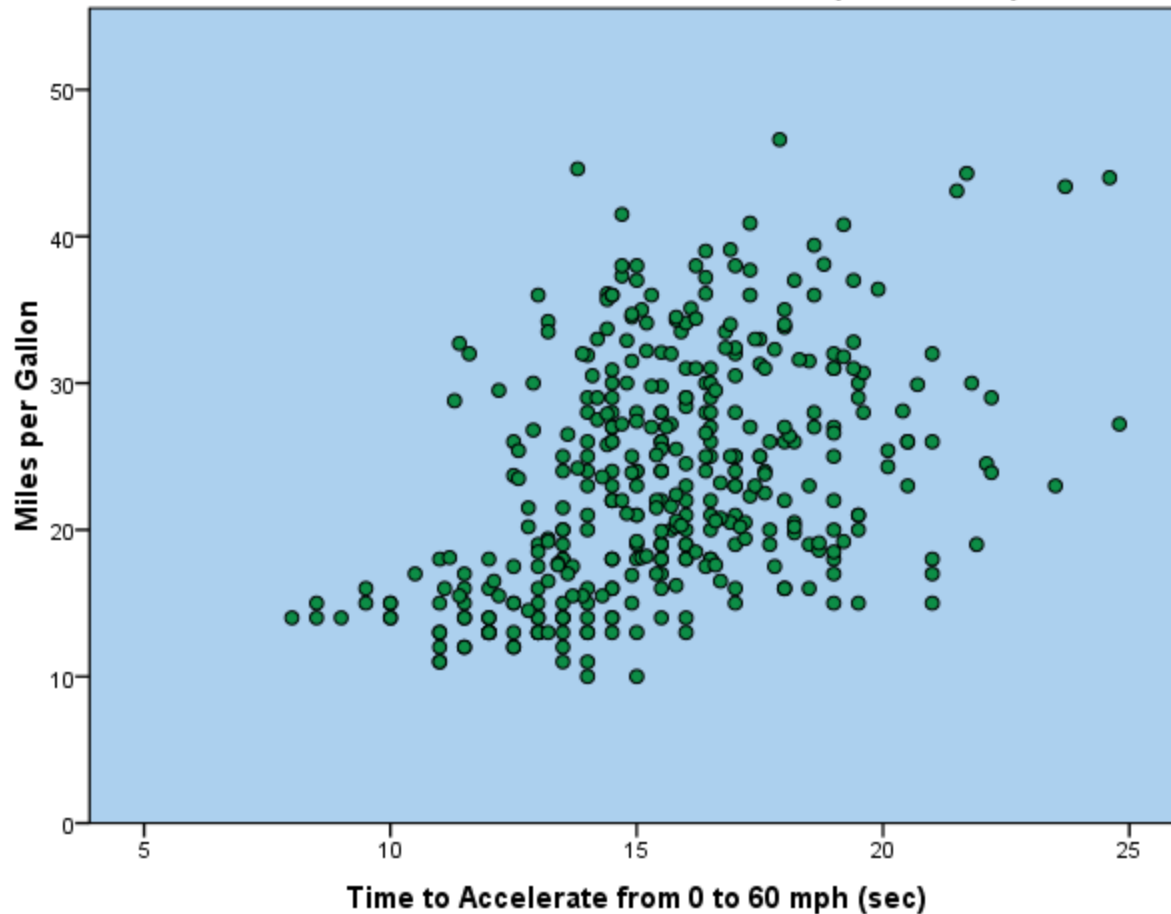
# Horsepower vs. Number of Cylinders for 405 Old Car Models (1970 - 1982)

Linear Regression

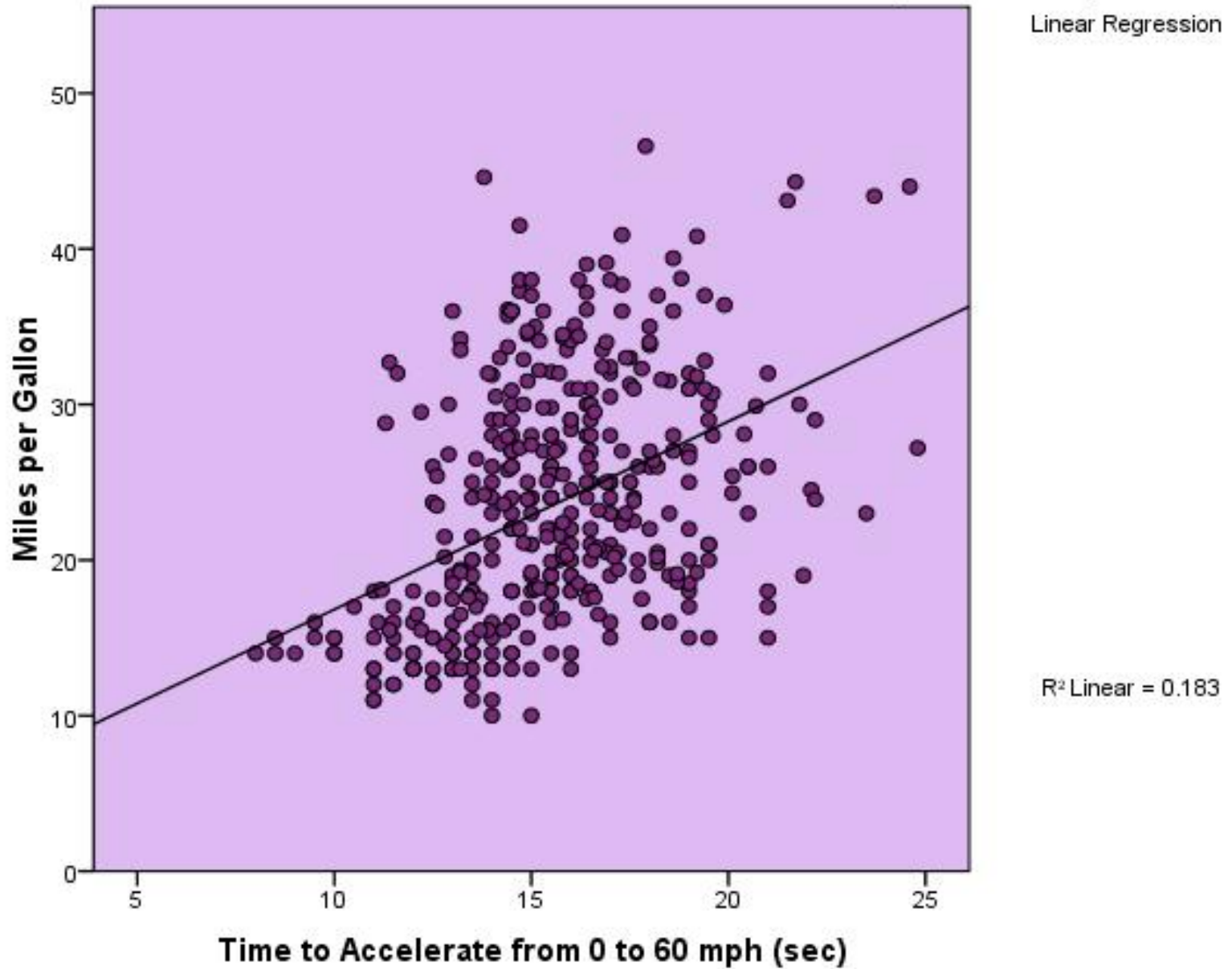


$R^2$  Linear = 0.712

**MPG vs. Acceleration for 405 Old Car Models (1970 - 1982)**

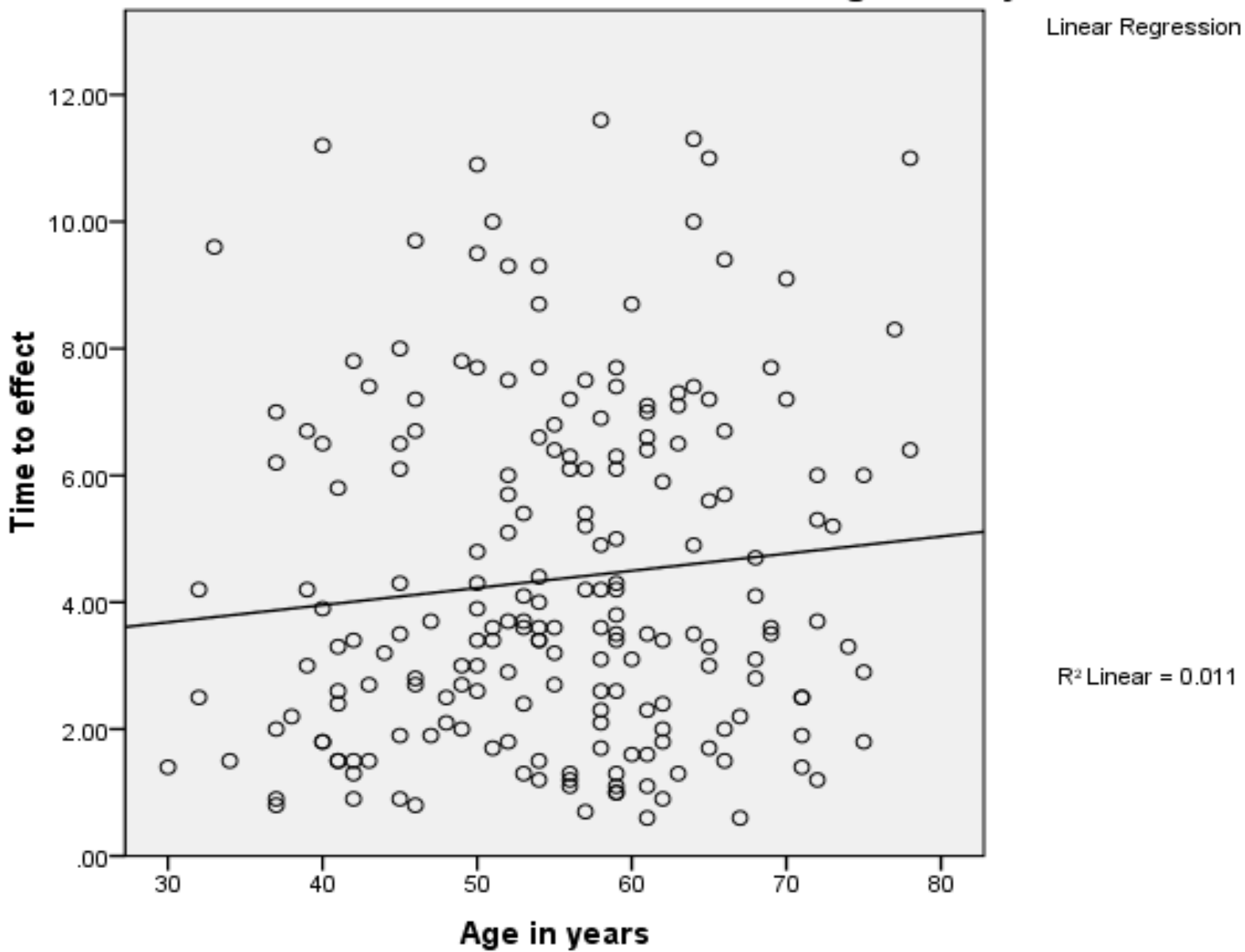


# MPG vs. Acceleration for 405 Old Car Models (1970 - 1982)

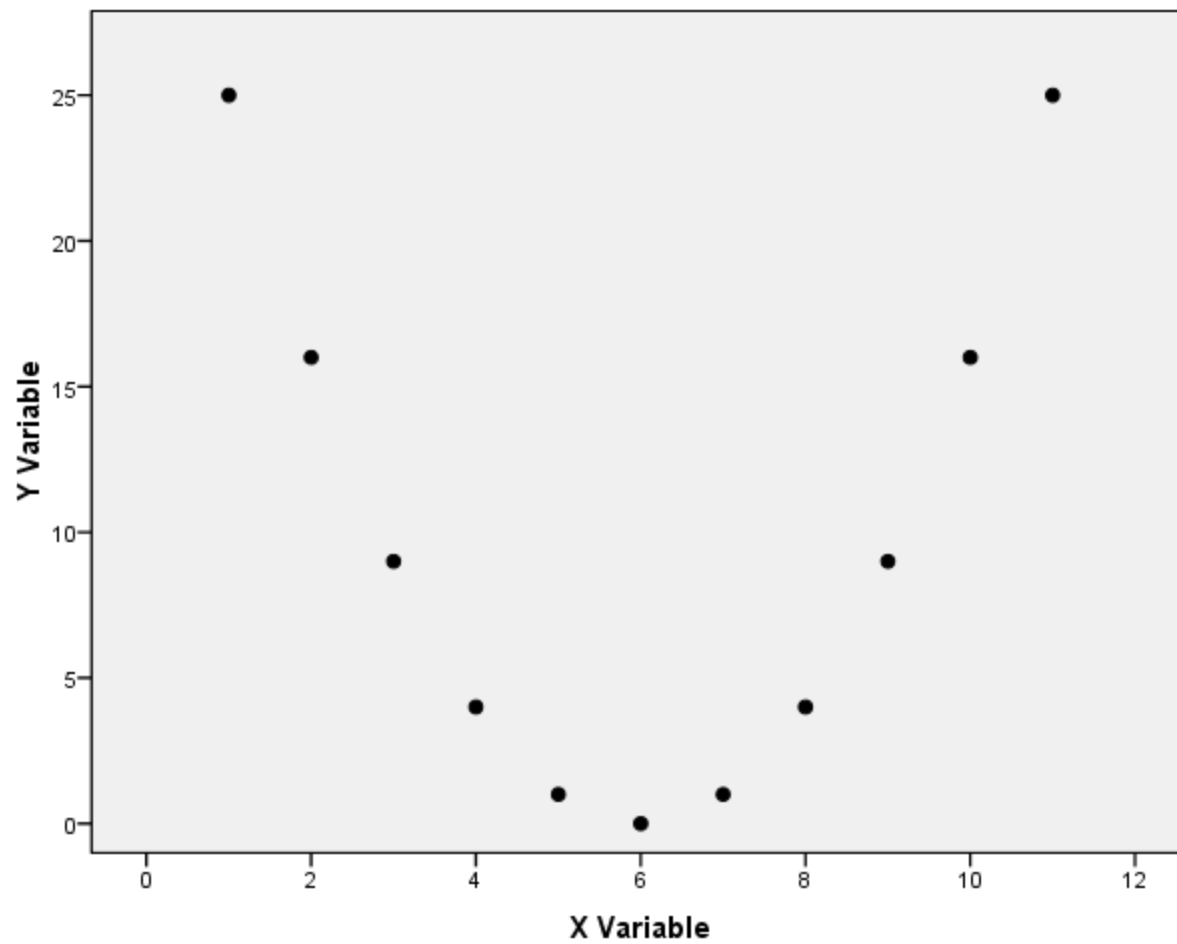




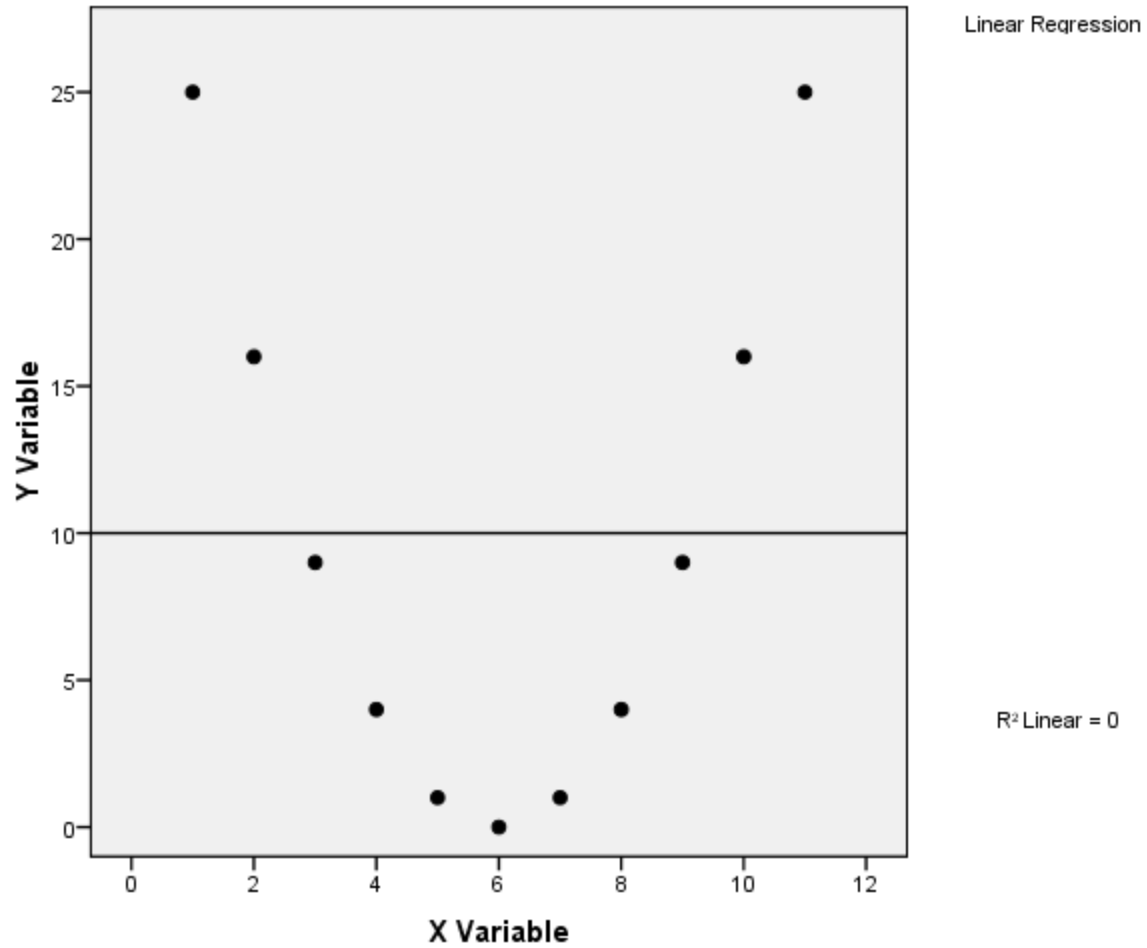
# Time for Painkiller to Take Effect vs. Age of Subject



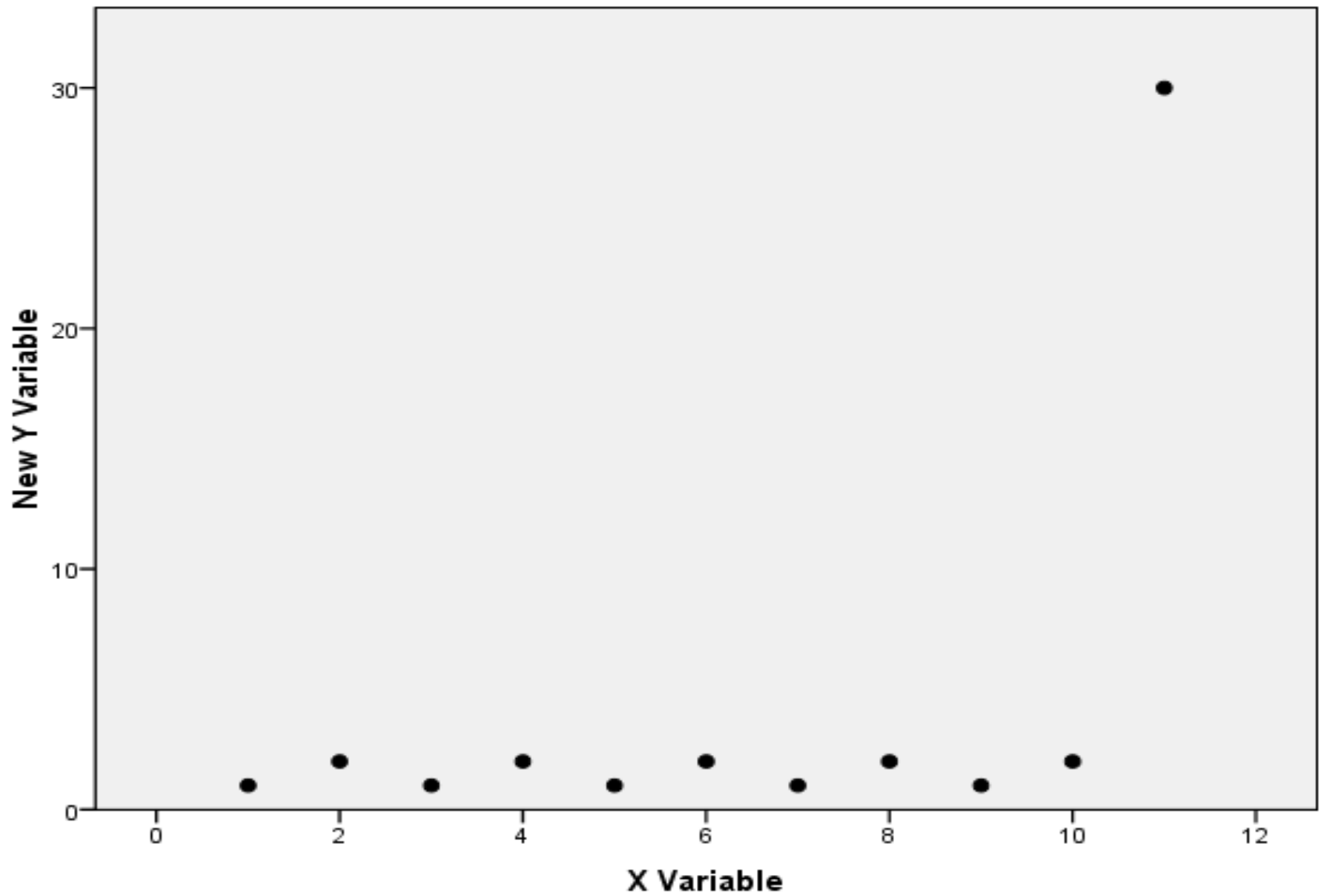
Is there a "strong" relationship between X and Y?

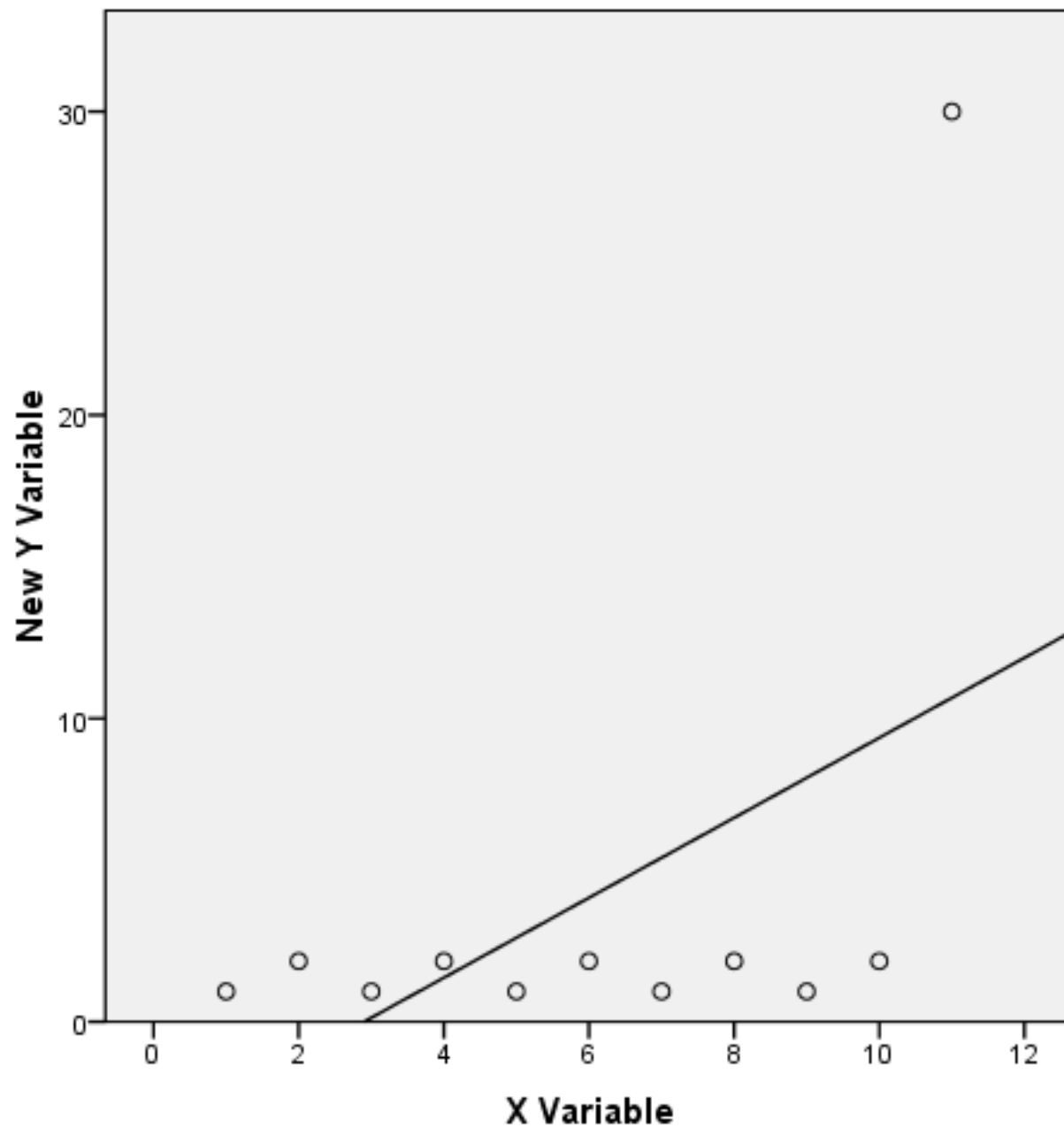


There is an extremely strong association, but no \*linear\* association.



Is the X value helpful in determining the Y value?





Linear Regression

$R^2$  Linear = 0.258

Same variables as before, but with the outlier removed

