Assignment 1

Datasets were switched, so 2nd dataset contains data needed for 1 Assignment.

For each target label yi (using bootstrap) estimate mean, median and find an error of your Estimation.

From theory we know that standard deviation of statistic calculated on bootstrapped samples, so first of all I create 1000 samples using bootstrap technique, calculate statistic on each one of them (mean and median), and after that calculated mean and std on those statistics.

For each target label yi estimate a linear model for better prediction of yi

. Then (using bootstrap)

find the 95%-confidence intervals for each coefficient of each model including an intercept.

I created 1000 samples, on each one of them fitted linear regression, and get array of coefficients and intercepts, and after that calculated confidence interval.