~~~~~~~~~~~~~~~~USE CASE 1(a). To check which features are important to provide to users for initial appraisal

stroke can be asked of the user initially

compression-ratio can be asked of the user initially

horsepower can be asked of the user initially

city-mpg can be asked of the user initially

highway-mpg can be asked of the user initially

Give MPG is available on dashboards, that can be selected!

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Now Onto USE CASE 1 (b)

The R-square measure for Kernel Ridge on Test set is 0.921702292444

Mean Absolute Error is 1097.35509427

Now checking a host of models, cross validated

**ModelName MAError Standard Deviation**

('LR', -2120.3809305270197, 708.65420394078376)

('LASSO', -1964.7104848406677, 641.83283444244364)

('EN', -2051.7907269000661, 814.98363087906205)

('KNN', -2102.223833333333, 851.9854249583243)

('CART', -2559.0133333333333, 1814.6337470042449)

('SVR', -4275.2091999376362, 2132.154120065898)

('KR', -2037.5889918104808, 737.07811139956175)

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('ScaledLR', -7358279832544736.0, 21105186761329440.0)

('ScaledLASSO', -1922.038642928494, 644.91927769329664)

('ScaledEN', -1829.5293285234616, 497.78919990752166)

('ScaledKNN', -2449.2506666666663, 1134.5768183831067)

('ScaledCART', -2149.5433333333335, 797.93604127304593)

('ScaledSVR', -4269.734210386584, 2129.7866358653664)

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~~~~ ENSEMBLE METHODS ~~~~~~~~~~~~~~~~~~~~~

('ScaledAB', -1936.8577065884892, 705.65759255869796)

('ScaledGBM', -1745.6594561647958, 582.41927725980997)

('ScaledRF', -1935.1059375000004, 716.87328678036374)

('ScaledET', -1655.7714999999996, 490.41363079628695)

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