Effects of alcohol use on academic achievement in high school

Independent variable: demographics, Household characteristic

Dependent variable: GPA!

Method: data exploration: plots, correlations, and anova; and data analysis: regression, random forest.

Females have averagely higher GPA than males.

Truth about beauty sleep

23 people: normal sleep vs sleep deprivation

Correlation between health, tiredness, and attractiveness

Tiredness and attractiveness depended on health.

Nut consumption and weight gain

Eat more nuts actually had a significant lower risk of weight gain than those who never or rarely eat nuts!

Logistic regression

Estimating risk of Heart failure

Variables: age, vital signs, symptoms, existing diagnoses, etc.

Distributions: observe from paper, risk score was estimated.

SBP linearly related to Age!