

Obesity prevalence estimation in the 500 US cities at the neighborhood level

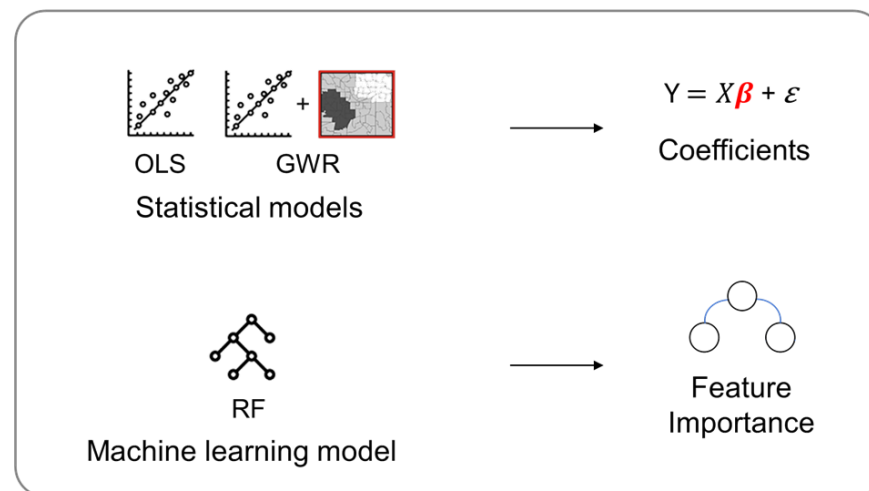
- Obesity is a serious public health problem.
- Existing research has shown a strong association between obesity and socioeconomic and demographic status.

Fit measures	OLS	GWR	RF
R ²	0.768	0.770	0.961
RMSE	3.431	3.415	1.433

Obesity rate data

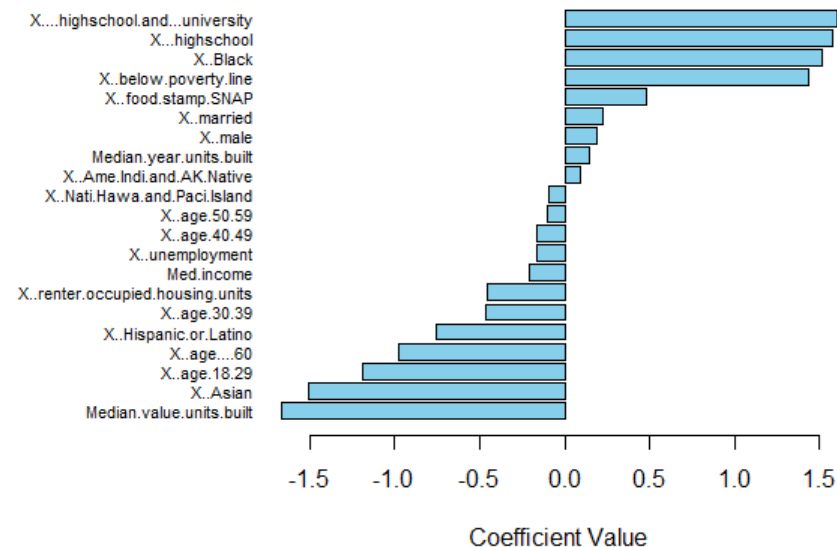
Socioeconomic and demographic data

Modeling

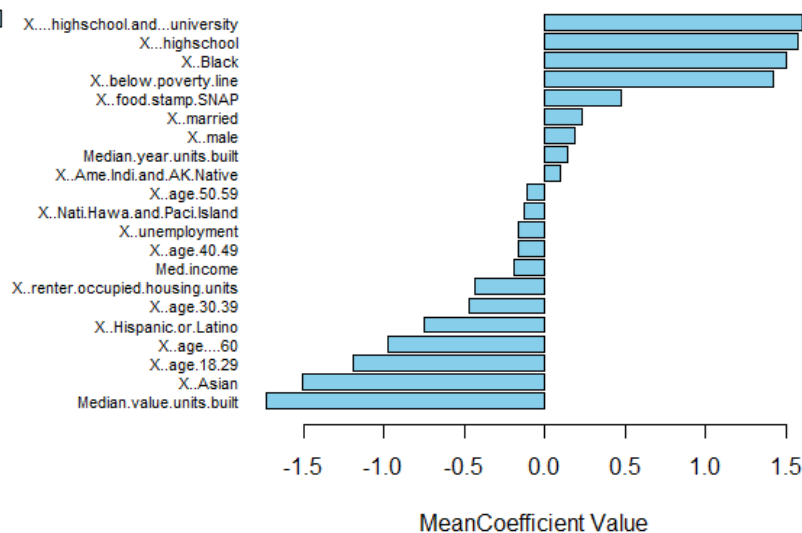


RQ. how well the socioeconomic and demographic variables can estimate the obesity prevalence, and which factors are associated with the obesity prevalence

Coefficients of OLS Regression



Coefficients of GWR



Feature Importance of RF

