

Predicting Mortality rate given Air quality data

Ana Maria Sandoval Jimenez



Defining a Customer!



Data

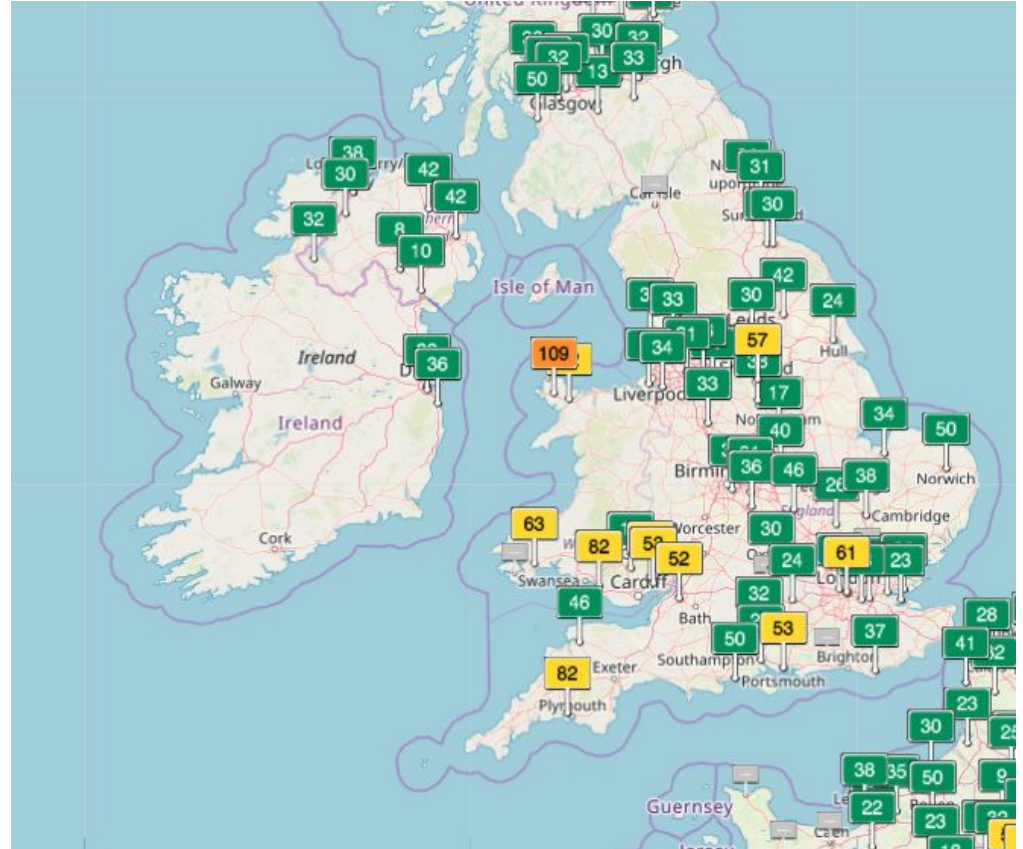
[Detailed EDA](#)

[API Air quality](#)

[Air quality map](#)



AQI	Air Pollution Level
0 - 50	Good
51 -100	Moderate
101-150	Unhealthy for Sensitive Groups
151-200	Unhealthy
201-300	Very Unhealthy
300+	Hazardous





Data Preprocessing

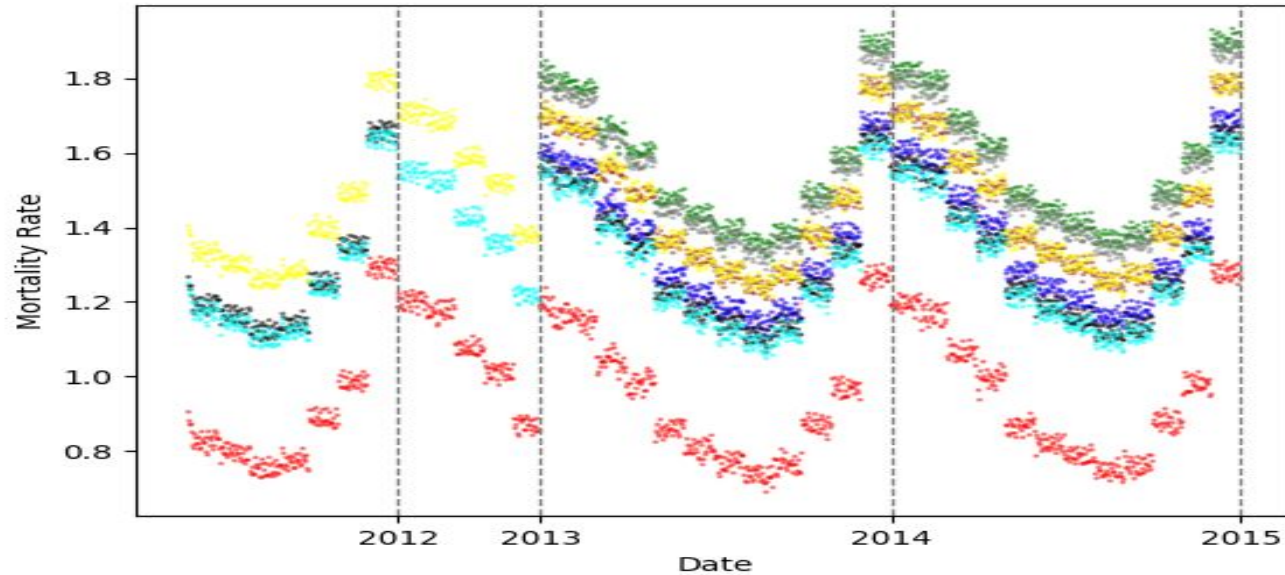
[Data preprocessing Github](#)

Model Selection and Validation

[Linear Regression](#)

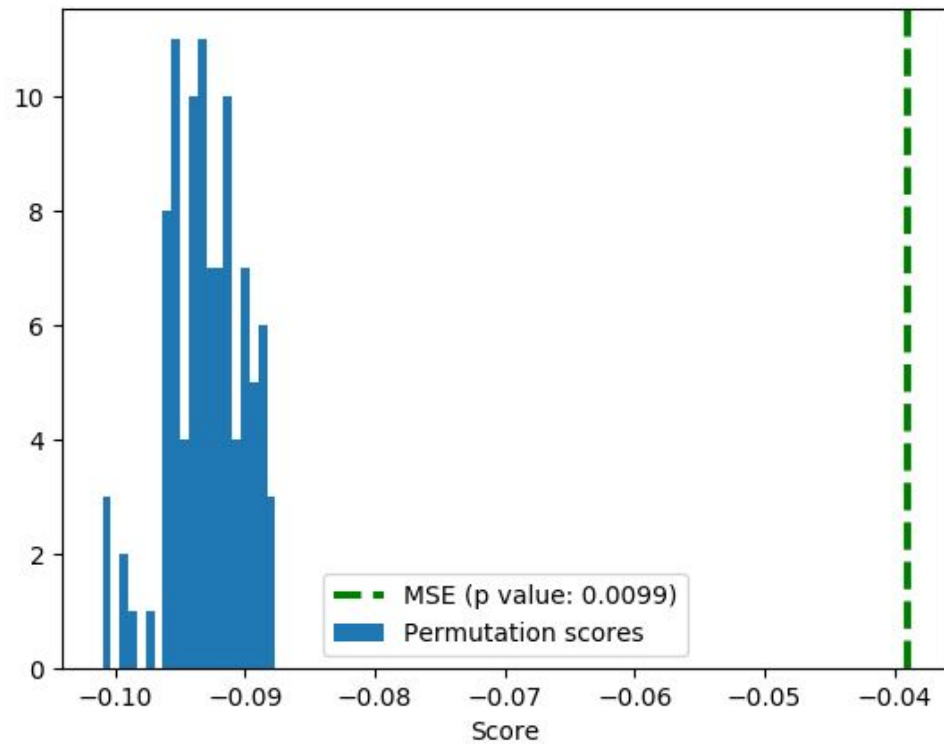
[Prediction Plot](#)

Mortality Rate Forecasting



Validation

Permutation test





Air Quality API

[API -get example](#)

[API request](#)

[Real time prediction](#)

[Real time dashboard](#)



Gracias!