

Predicting Pothole Repair Times for the City of Seattle

Richard Anderson



Data Pipeline

Obtain
Data



Department of Transportation



Socrata
Making Data Social™

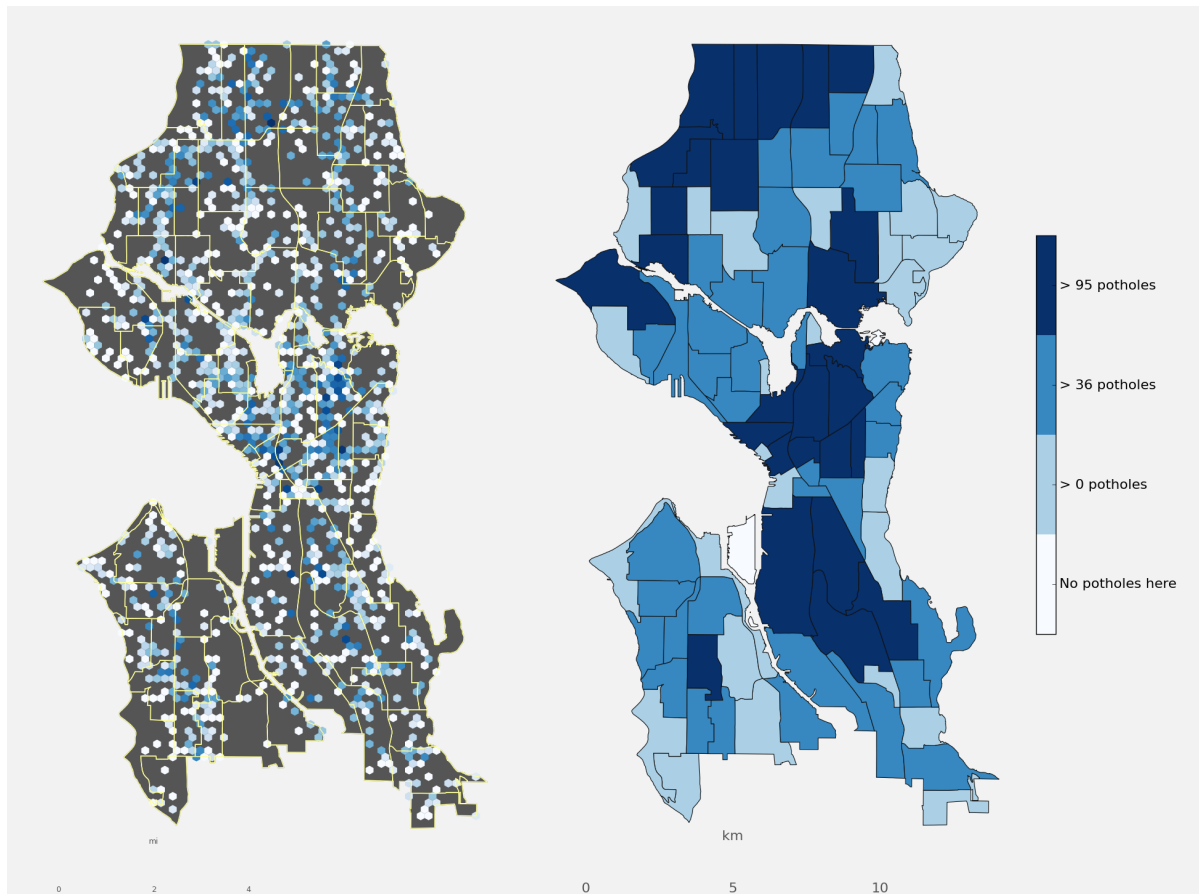


NOAA NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION
UNITED STATES DEPARTMENT OF COMMERCE

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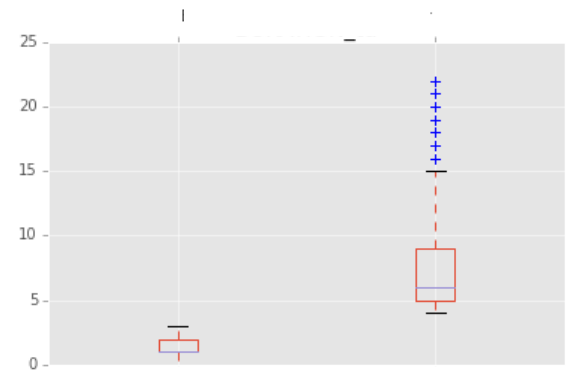
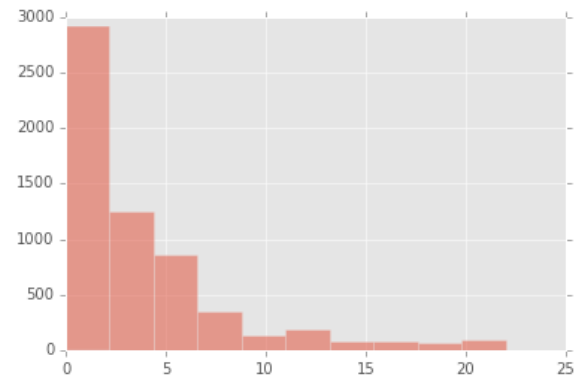
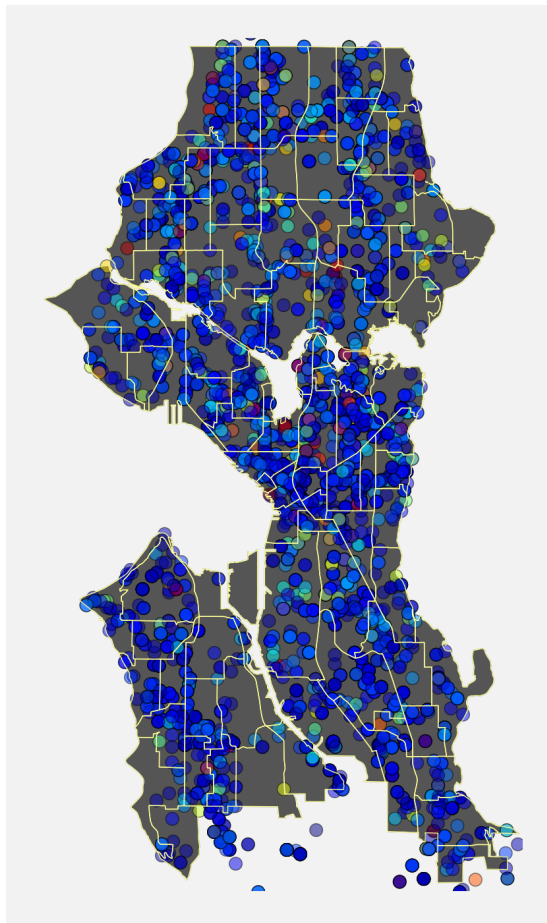
Geocode
Locations



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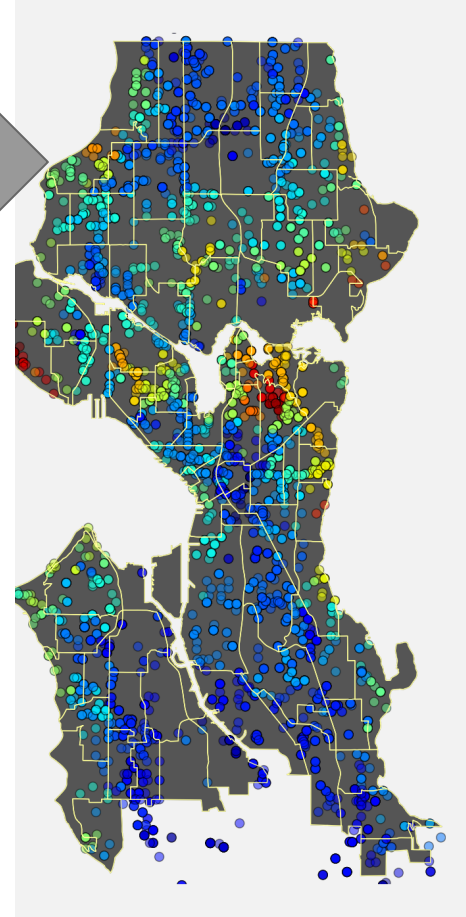


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**Geocode
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**Engineer
Features**

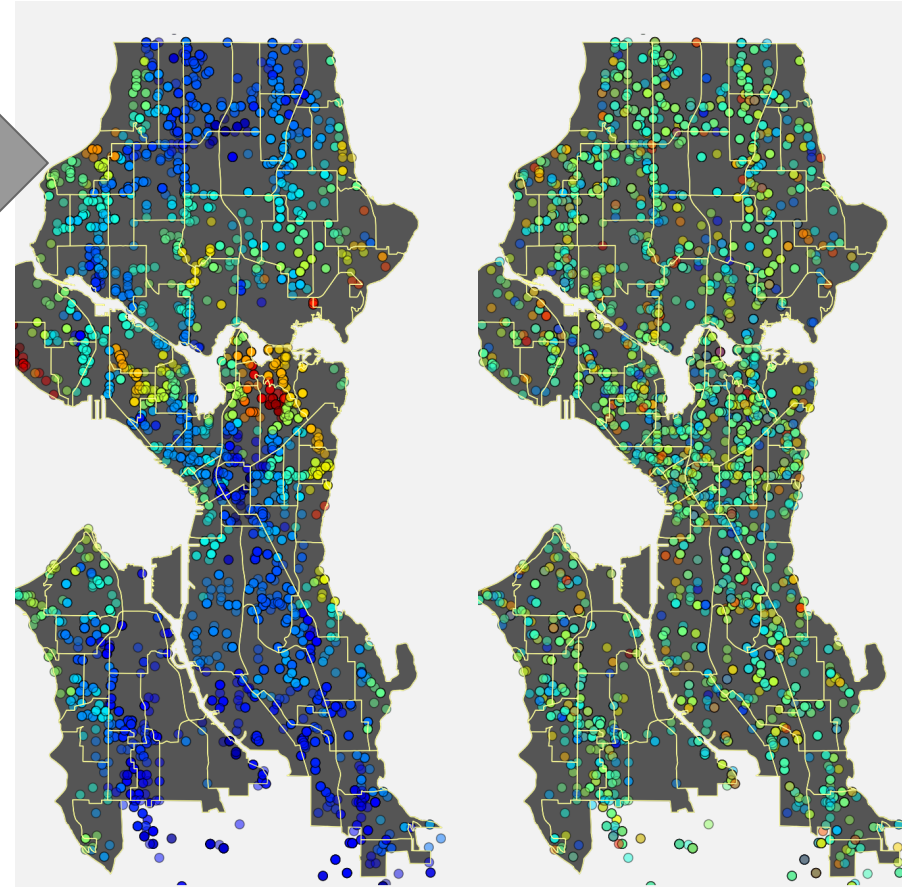


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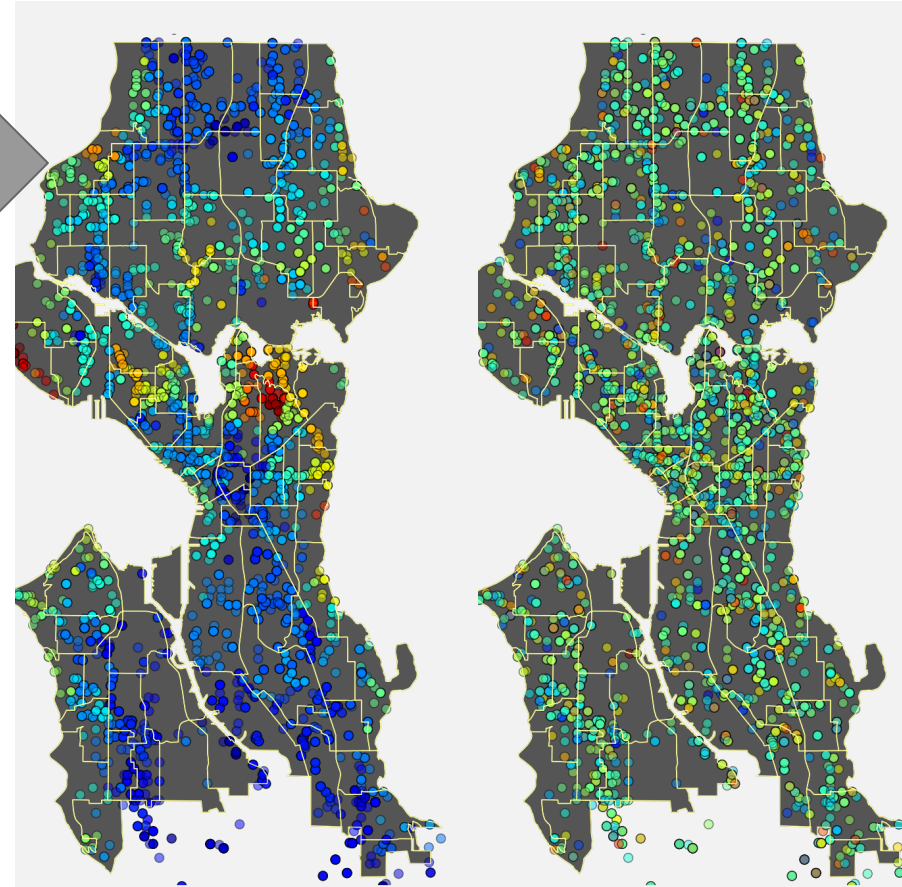
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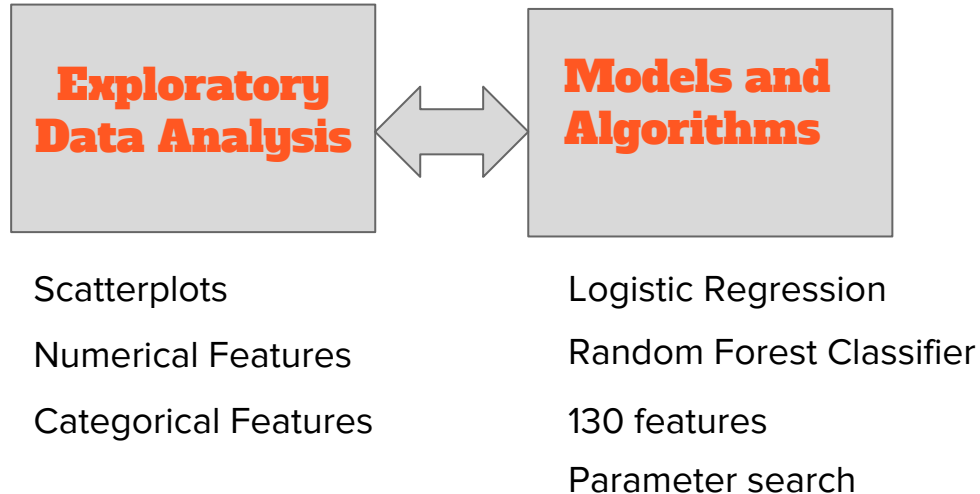
Engineer
Features

Additional Features

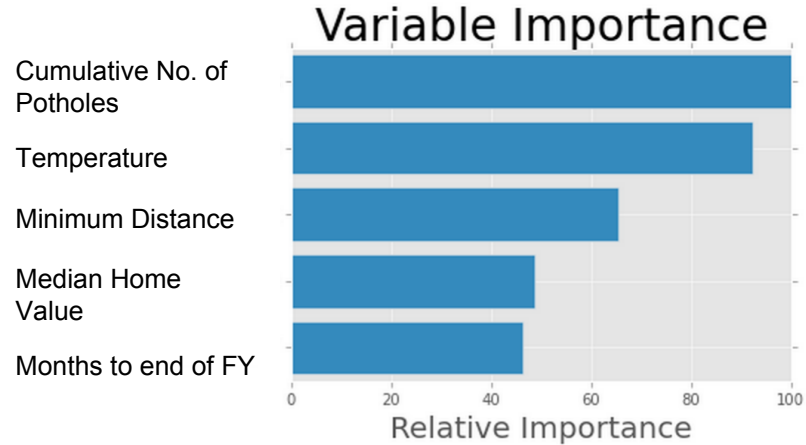
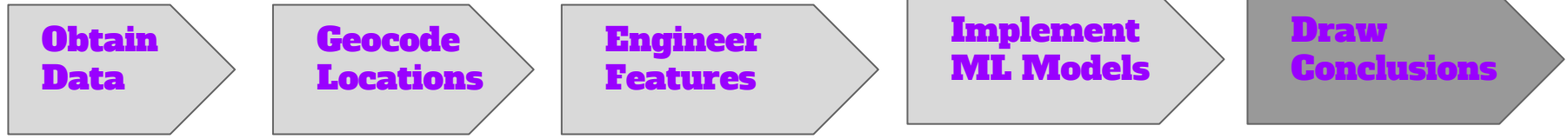
- Cumulative Number of unrepaired potholes
- Minimum Distance to closest prominent city landmark
- Number of months until end of fiscal year
- Seattle Neighborhood
- Closest Street Features



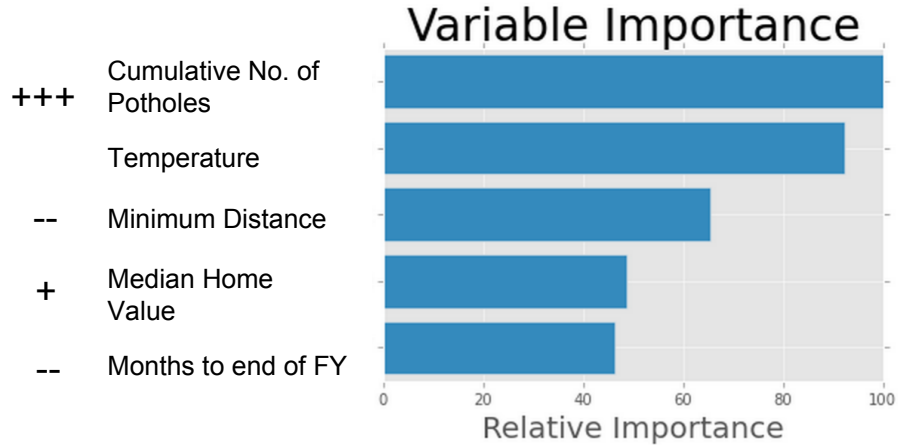
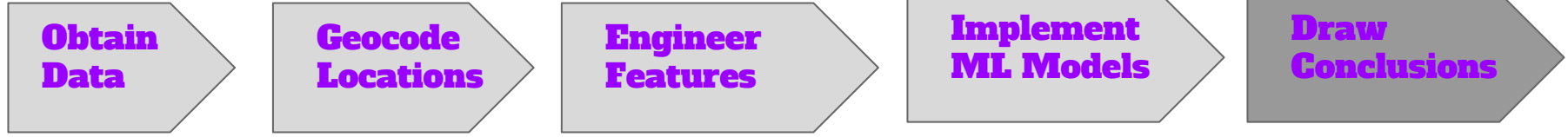
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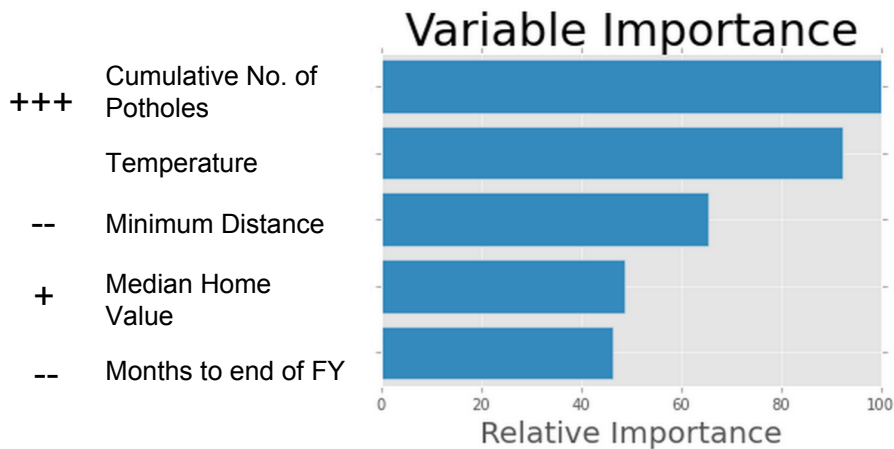
Data Pipeline



Data Pipeline



Data Pipeline



Future Work:

- Challenge is to find variables that are both independent and add the most information to the model
- Careful investigation of whether median home value is really driving repair times.