DSI Capstone Project Ideas

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General Assembly Data Science Immersive
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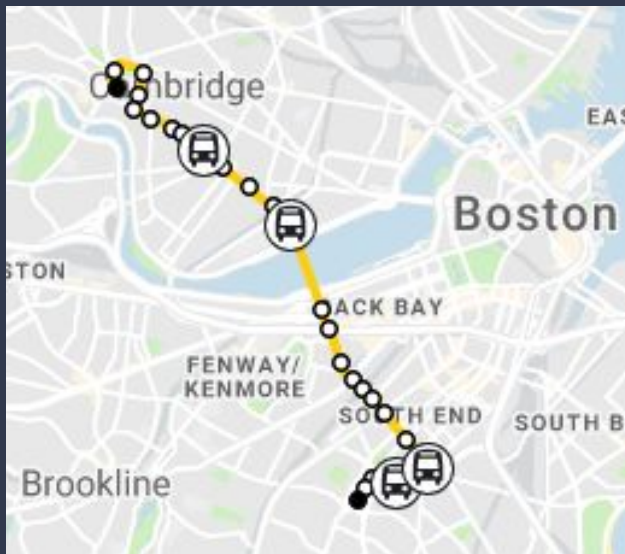
GENERAL ASSEMBLY

Automotive Image Recognition

Make: Volvo
Model: 850
Bodystyle: Sedan
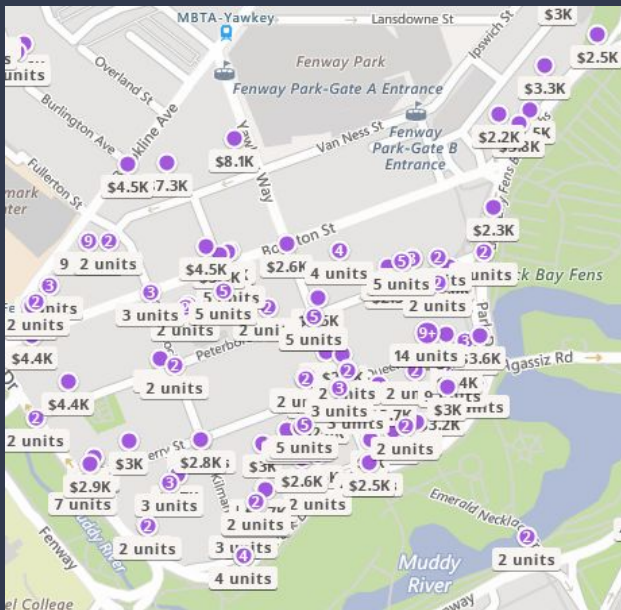
Make: Fiat
Model: 500X
Bodystyle: SUV

- Build a model that can classify the make/model/bodystyle of a car based on an image
- Data: Stanford Cars Dataset
- Also could use car shopping websites
- Ideally, model will account for different points of view (front/side/rear view etc)
- Stretch goal: User can submit image and model will identify all vehicles and classify them

MBTA Bus Delay Predictions

- Predict when an MBTA bus will be late
- Data: Historical performance data from MBTA API
- Probably going to look at one particular route
- Potentially look at traffic/weather data along route

Apartment Monthly Rent Predictions

- Predict monthly rent for apartments in greater Boston area
- Use categorical and location based data
- Look at proximity to transit, schools, job centers
- Consider features (bedrooms, laundry, parking)
- Process descriptions using NLP
- Scrape apartment listings on craigslist/Zillow