

Capstone Project Ideas

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Predict the stock market

Attempt to predict the behavior of the stock market. Can bring several variables into this, including news headlines, social media, weather, natural disasters.

Datasets:

- News stories (Kaggle)
- Social media data
- Historical stock market data (Kaggle, Alpha Vantage API)

Find factors of a successful eBay listing

Use eBay sales records to find which variables have the biggest effect on the final sale price of a listing. This includes comparing Buy it Now and Auction types, as well as comparing various days of the week and times of day to have auction listings scheduled to end, duration, shipping costs, etc. Also look into title and description text for trends, and seller's feedback rating.

Datasets:

- Would probably involve scraping eBay sold listings pages.
- Choose specific items with high sales volume to compare.

Location to open a coffee shop

Find a location for a successful new coffee shop. Look for locations lacking in coffee shops using “Starbucks Locations Worldwide” dataset and Yelp API. Find a location with moderate population density.

Datasets:

- Starbucks Locations Worldwide (Kaggle)
- Yelp API for other coffee shop locations

Recap

1. Predict the stock market
2. Find factors of a successful eBay listing
3. Location to open a coffee shop