# **Springboard Capstone Project 1 - Ideas**

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### Ideas

#### 1. Regression

- use historical house pricing listed on a China real estate brokerage company to predict house value in Beijing based on its location (coordinates)
- Dataset: <a href="https://www.kaggle.com/ruiqurm/lianjia">https://www.kaggle.com/ruiqurm/lianjia</a>
- Goal: implement and evaluate different regression models
- Variables include:

## 2. Segmentation:

- Customer segmentation for e-commerce retailer and customer value analysis
- Dataset: https://archive.ics.uci.edu/ml/datasets/Online+Retail+II
- Variables: InvoiceNo, StockCode, Description, Quantity, InvoiceDate, UnitPrice, CustomerID, Country

## 3. Forecasting

- Predict sales for a grocery chain.
- Goal: predict the sales for individual items at each store location
- Dataset: <a href="https://www.kaggle.com/c/favorita-grocery-sales-forecasting/data">https://www.kaggle.com/c/favorita-grocery-sales-forecasting/data</a>
- Data information:
  - Separate files of information about stores, items, transactions, holiday events are provided.
  - In addition, daily price change information is available as the country where the grocery chain company is located is an oil-dependent country and it's economical health is highly vulnerable to shocks in oil prices.
  - Training and testing datasets are provided separately