<u>Project Ideas _ New York State/NYC</u>
Real Estate
- Datasets
  - Census state & local gov data
    - Fields in dataset:
      - Property taxes
      - Sale of property (miscellaneous general revenue)
      - General public buildings (Governmental administration)
      - Utility expenditure: water supply, electric power, gas supply
  - NYC Open Data
    - Dept of Finance
- APIs
  - Property Shark
  - Streeteasy

Stocks
Public Education Finance
- Datasets
  - Public Elementary-Secondary Education Finance Data
  - Dept of Education datasets NYS/NYC

Real Estate Questions:
- What is the breakdown by industry?
- commercial/residential and/or public/private
- How has the Price changed over time?
- Where has rent increased the most in the last X years?
- Renting vs Owning
  - Split and avg costs
- Largest ownership groups within the city
- How do New York real estate zones compare with one another?
- How has the industry changed in recent years?
- Are there other factors (policy changes/population shifts) that have a predictive relationship to changing prices (machine learning) in specific neighborhoods?
  - Can we predict where the prices are going to be in the near future?
  - What can we do with those predictions (actionable)

Querying StreetEasy Data Dashboard (AnalyticsAriel)
https://colab.research.google.com/drive/1Msbw6urS4PFfidAGIWjDq0brkHrY91X-?usp=sharing

Property Tax Rate by Class
https://data.cityofnewyork.us/City-Government/Property-Tax-Rates-by-Tax-Class/7zb8-7bpk

Rolling Property Sales Data by Address

https://www1.nyc.gov/site/finance/taxes/property-rolling-sales-data.page

New York Neighborhood Data Profiles "for understanding local housing and demographic trends, identifying community needs, and informing policy conversations"
https://furmancenter.org/neighborhoods

Property Valuation and Assessment Data Tax Classes 1,2,3,4
https://data.cityofnewyork.us/City-Government/Property-Valuation-and-Assessment-Data-Tax-Classes/8y4t-faws/data

US Census NYC Quick Facts
https://www.census.gov/quickfacts/fact/table/newyorkcitynewyork/PST045221

PLUTO
https://data.cityofnewyork.us/City-Government/Primary-Land-Use-Tax-Lot-Output-PLUTO-/64uk-42ks/data

NYC Fee Charges
https://www.kaggle.com/datasets/new-york-city/new-york-city-fee-charges

Data Analysis of New York City's Condo Market using Python
https://towardsdatascience.com/data-analysis-of-new-york-citys-condo-market-using-python-5f3ba44d1570

NYC Real Estate ML
https://github.com/calvinwhlim/NYC-Real-Estate-ML