# Springboard Capstone Ideas

## List of potential Capstone ideas

## Bike Sharing Public Data:

**URL**: <https://www.citibikenyc.com/system-data>

Second URL: <https://cloud.google.com/bigquery/public-data/bay-bike-share> (Bay Area)

To explore Citibike since its inception in 2013. This will reflect more on stations, trips, memberships, and create a potential scenario for future expansion if they do. This will take into account news mentioned about the Citibike expansions, what’s currently available, and everything in between.

## Education Review Public Data:

**URL**: <https://cloud.google.com/bigquery/public-data/world-bank-education>

**URL**: <https://inventory.data.gov/dataset/032e19b4-5a90-41dc-83ff-6e4cd234f565/resource/38625c3d-5388-4c16-a30f-d105432553a4>

To explore how education is tackled across different countries. This may include a deep dive into how (a) the government handles education, (b) how a city’s SAT results match, or (c) something specific about education, like higher education institutions and how they are performing. The observations about the education system is not in how many come in but how many come out.

## Kickstarter Crowdfunding Prediction

**URL**: <https://webrobots.io/kickstarter-datasets/>

The idea is to explore Kickstarter.com and see what type of projects are up and coming. This is to explore which projects gained traction, and to predict what projects using today’s dataset will continue to get funds, whether a person does influence the project, and other parameters.

## Subway Data Analysis

**URL**: <http://web.mta.info/developers/download.html>

This was inspired from a previous NYT article ([here](https://www.google.com/url?sa=t&rct=j&q=&esrc=s&source=web&cd=1&ved=0ahUKEwiMovTBzrnVAhUM1oMKHS4FDIAQFggoMAA&url=https%3A%2F%2Fwww.nytimes.com%2Finteractive%2F2017%2F06%2F28%2Fnyregion%2Fsubway-delays-overcrowding.html&usg=AFQjCNE0D2VmpjsiRW8JLtZ_)) to explore. This can be used for MTA data or the London Underground if I obtain data for the train usage. This is to look at how many people use or leverage the subway, and in turn what the next five years will look at.

## NYT Books API / Best Seller’s Analysis

**URL**: <http://developer.nytimes.com/books_api.json>

This is to explore the NYT Best Seller’s list to see familiar names, leading trends, and potential rises of interest pertaining based on the NYT Best Seller’s list.

## Other Ideas:

* Tea consumption
* Wealth and inequality
* Mental illness
  + Autism diagnostics
  + Disabilities in the workplace
  + Genetics analysis
* National Park usage across the United States
* Airport utilization
* Weather
* Wine classification
* World Bank projects
* Dubai economic development
* Duolingo language acquisition
* AirBNB neighborhood analysis:
  + <http://tomslee.net/airbnb-data-collection-get-the-data>