

# The Unpacking of Covid IPOs

The Truth Behind Business Opportunity during a Pandemic

## 1 Attendees – Room 6 Project 1

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## 2 Description

We're a Private Equity Advisory Firm that analyzes potential valuation of target companies, based on analysis of performance of previous 24 months (aka 'during Covid 19').

## 3 Datasets

- Polygon.io via API
- Quandl via API

## 4 Research questions

- What were the best performing and worst performing industries?
- How do those compare by state?
- How was the performance of minority led companies?
- What are the associated Political representations across the US?
- Explain the geographical performance across the USA.

## 5 Goal & Outcome of research

- As an advisory firm, we consult our clients on ideal target industries to concentrate on as well as advise as to the individualized company valuation therein.

## 6 Illustrations

- Scatter Plot - # employees – co. valuation
- Heatmap – gmaps – territories
- Line bar – trends by industry
- Pie Chart – minority, gender, political

## 7 Code

1. APIs
2. Group by
3. Heat Map
4. Matplotlib - Plots & Graphs
5. Linear regression
6. For loop and call for each trade
7. Bins and iloc

## 8 Breakdown of tasks

1. One Pager – To team for approval/feedback
2. Individual Jupyter Notebooks per assignee
3. Obtain & validate API key per dataset
4. Make API call
5. Traverse Data & Analyze
6. Present the Data Visualizations
7. “Make the Call”
8. Continual build-out of GitHub Repo