**Problem statement:**

Valuation of stock is a significant aspect of investment decision making. Investment analyst’s usually value stocks of companies for fund manager that wants to buy or sell stocks. In this project, we are predicting the price trend of NASDAQ index using historical data and calculate the equity value multiples (P/B ratio) in order to identify cheap valuation stock.

**Hypothesis/assumption:**

Price to book value multiple has a significant positive relationship with stock return.

**Goal and success metrics:**

Able to identify cheap valuation stock within the index.

**Risk or limitations:**

1. Cannot get all the information of the index in one dataset

**Dataset links:**

<https://finance.yahoo.com/quote/%5EIXIC/history/>

<https://www.macrotrends.net/stocks/charts/NDAQ/nasdaq/price-book>

<https://www.kaggle.com/jmq19950824/stock-index-prediction-both-labels-and-features/download>

<https://www.kaggle.com/dhimananubhav/nasdaq-company-list>

<https://www.kaggle.com/finintelligence/nasdaq-financial-fundamentals/download>