

# Project Proposal

## [Diversification Investment System through Clustering]

### Objective:

To build a stock diversification investment system based on classification.

### Project's Value and Client:

The clients are general market investors who want a more data driven system to base their investments on.

The model serves as a data driven focus classification system in compare to the current investments decision strategies mainly based on small caps, large caps, growth, etc.

### Resources/Data:

- [www.Quandl.com](http://www.Quandl.com)
  - <http://help.quandl.com/article/92-how-do-i-download-the-quandl-codes-of-all-the-datasets-in-a-given-database>
- [www.Nasdaq.com](http://www.Nasdaq.com)
  - <http://www.nasdaq.com/screening/companies-by-industry.aspx?exchange=NYSE>

### Approach to solve problem

1. Obtain data sets
2. Clean, structure and organize data
3. Build analysis/predictive model
4. Provide summary explaining the findings

### Deliverables

- Presentation: Description of was this done and its business values
- Data Story: Problem to be resolve, analysis and findings
- Code: Code description, analysis and productivity