

Assignment 9 - Data Mining exercise for equities

Generate a web crawler that goes to a finance website (like [yahoo finance](#)).

1. Look up the financial statements of a ticker (this should be an input). If the ticker is wrong the program should return a message to that effect and have the user try again.
2. Then have the application navigate to the financial statements page of the ticker page. For example, this is the page for [JPM](#) financial statement.
3. Download the financial statement data such as revenue and net income for every year available.
4. Calculate the year-on-year revenue growth for each year. Plot this out. (Hint: if there are 4 years of revenues, there are only three years of growth rates.)
5. Then calculate the profit margin (net income/revenue) for all the years. Plot this out as well.