Theme: Algorithm to win in the stock market

1. Approach: Be aware of the risks, predict future from historical trends and target a domain.
2. Data
3. Risks

<https://www.quora.com/Is-there-going-to-be-a-stock-market-crash-soon/answer/Mile-Navrsale>

High frequency trading approach: <http://www.investopedia.com/ask/answers/09/high-frequency-trading.asp>

High speed-speed quantitative trading approach: <https://en.wikipedia.org/wiki/David_E._Shaw>

1. American Association of individual investors:

<https://www.quandl.com/data/AAII?keyword>=

1. Stock market trends

* Form 700 Schedule A1  Based on [Form 700 Schedule A1](https://data.sfgov.org/City-Management-and-Ethics/Form-700-Schedule-A1/tzbk-2xg8#revert)    (Open Data) :

Stocks, including those held in IRA or 401K

<https://data.sfgov.org/browse?q=stock%20market&sortBy=relevance&utf8=%E2%9C%93>

\* Link to dataset: <https://data.sfgov.org/City-Management-and-Ethics/Form-700-Schedule-A1/tzbk-2xg8>

\* Link to API: <https://dev.socrata.com/foundry/data.sfgov.org/382u-rquh>

* Vanguard ETF VIT: <http://finance.yahoo.com/quote/VTI/history?p=VTI>

<http://pages.swcp.com/stocks/#historical%20data>

* Zanran: <http://www.zanran.com/q/stock_market_history>

<https://www.quandl.com/data/ICE?keyword>= <http://archive.ics.uci.edu/ml/datasets/ISTANBUL+STOCK+EXCHANGE>  
<https://www.quandl.com/data/TSE?keyword>=   
<https://www.quandl.com/data/RENCAP?keyword>=   
<https://www.quandl.com/data/URC?keyword>=

1. Additional resources

<https://en.wikipedia.org/wiki/Mathematical_finance>

<http://www.investopedia.com/ask/answers/09/high-frequency-trading.asp>

<https://www.r-bloggers.com/r-and-finance/>

<https://en.wikipedia.org/wiki/David_E._Shaw>