# Database StockDb - Relation Structures

Company\_Profile(CompanyID, CompanyName, Sector, Industry, *StockSymbol*, SharesOutstanding, AverageVolume, Beta, ForwardPE, PEG)

Price\_History(StockSymbol, Date\_ID, Opening\_Price, High\_Price, Low\_Price, Closing\_Price, Volume, Adjusted\_Close, Price\_Target)

Identified Websites for Data

*I used a specific stock to illustrate the information in the websites Pfizer Inc. (PFE)*

US GOV – EDGAR – SEC – Multiple sites possible for each Company

<https://www.sec.gov/cgi-bin/viewer?action=view&cik=78003&accession_number=0000078003-15-000014&xbrl_type=v>

<https://www.sec.gov/Archives/edgar/data/78003/000007800315000014/pfe-12312014x10kshell.htm>

Publicly Available – Robot OK sites \_- OK for limited access

**Seeking Alpha**

<http://seekingalpha.com/symbol/PFE>

**CNBC**

<http://data.cnbc.com/quotes/PFEM>

**Market Watch**

<http://www.marketwatch.com/investing/stocks>

**Motley Fool**

<http://www.fool.com/quote/nyse/pfizer/pfe?testname=capsredirect>

**The Street**

<http://www.thestreet.com/quote/PFE.html?omorig=header>

**Analysts Ratings**

<http://www.analystratings.com/>

**Sleek Money**

http://sleekmoney.com/

Password Protected - unavailable for robots but great sources of info if you have an account

**Zacks Investment Research**

<http://www.zacks.com/>

**Financial Times**

<http://www.ft.com/home/us>

**Wall Street Journal**

<http://www.wsj.com/>

**Investor’s Business Daily**

http://research.investors.com/quotes/nyse-pfizer-inc-pfe.htm?fromsearch=1

Website used for Python – RegEX

**Yahoo Finance**

<http://finance.yahoo.com/q/hp?s=PFE&a=06&b=7&c=2015&d=06&e=8&f=2015&g=d>

# References

Websites

<http://www.tutorialspoint.com/python/string_split.htm>

<http://stackoverflow.com/questions/23025565/convert-sre-match-object-to-string>

Books

(McKinney 2012) p 165-166

McKinney, Wes. 2012. *Python for Data Analysis*. Sebastopol CA: O"Reilly Media Inc. Computer Code. Original edition, 2012.

Severance, Charles. "Python for Informatics - Exploring Information." In: University of Michagan.

(Severance) p103-105