# Financial Data Sources and LSEG Workspace Note 2

Financial Database BAF 507E

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**KAIST** 

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## Python Exercise

- Import "note2data.xlsx" into Python
  - The data include monthly stock returns of three companies, Microsoft, IBM and Walmart as well as S&P 500 index returns and others
- Do the following
  - Calculate mean, minimum, maximum and standard deviation of returns of three stocks.
  - Define a category variable, isign, to indicate positive and negative returns.
  - Check the frequency of positive and negative returns for each stock.
  - Create another categorical variable to indicate each calendar year.
  - Generate frequency tables of stock returns for both categories.
- Check FDNote2W\_Ex.ipynb

### List of Available DBs at KCB

#### Click here for more information.

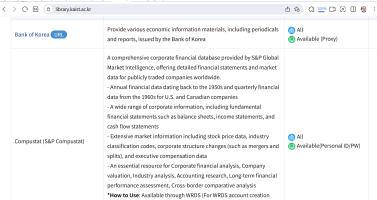
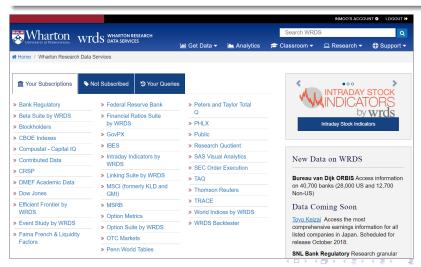


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( https://wrds-www.wharton.upenn.edu/)



#### Other Databases

- Korean Databases
  - FnDataGuide
    - Current and historical financial and economic data
  - NICE BizLINE
    - Korean companies' financial data
  - Value-Search
    - Korean stock price and financial data
- Here, you can find the log-in information for the above databases after logging in to the library website.

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- LSEG Workspace offers real-time as well as historical data on financial markets and economic statistics, encompassing all sectors worldwide.
- Workspace also provides analytics, company financials, news, and customizable charting.

## Workspace

- Markets
  - Commodities, derivatives, equities, fixed Income and foreign exchange
- Tools and Analytics
  - Charts, collaboration tools with other professionals and portfolio & risk analytic
- News and Research
  - Economics, industries, news and other research solutions

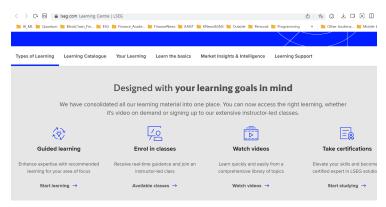
## Workspace

- Workspace is accessible from the terminals at the Reuters Trading Center and the KOSCOM Data Center on the 3rd floor.
- In addition, you can access to it anywhere with available ID and PASSWORD (web access).
- You can download and install Workspace on your notebook computer. (https://www.lseg.com/en/data-analytics/ products/workspace/download-workspace).

## Workspace Training

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(https://www.lseg.com/en/training/learning-centre)



You can use it after loggin in.

- Useful Apps are being developed for more convenient uses
  - App Library: Search applications
  - Corporate Actions Search
    - Advanced Events Search: for a list of firms engaging in selected events
    - Deals Market Overview: To find a list of MA and Financing Event companies and the market-wide statistics
  - To find a group of stocks that satisfy certain criteria
    - Screener: Find global securities satisfying specified conditions
  - To find analysts research reports
    - Advanced Research Search: For all companies
  - To find the definition of data item
    - Data Item Browser: Fine the data item code and definition of data items

- Provide the following information
  - Overview, Price, News, Research, Debt, Credit, Estimates, Fundamentals, Charts, Valuation, Competitors, Filings, Officers, Events, Transactions, Corporate Actions, Ownership, Derivatives.
  - Check details on two firms
    - Apple and Samsung Electronics