LEIBNIZ INSTITUTE SAFE
Sustainable Architecture for Finance in Europe

SAFE Data Center

Starter's Guide

OptionMetrics

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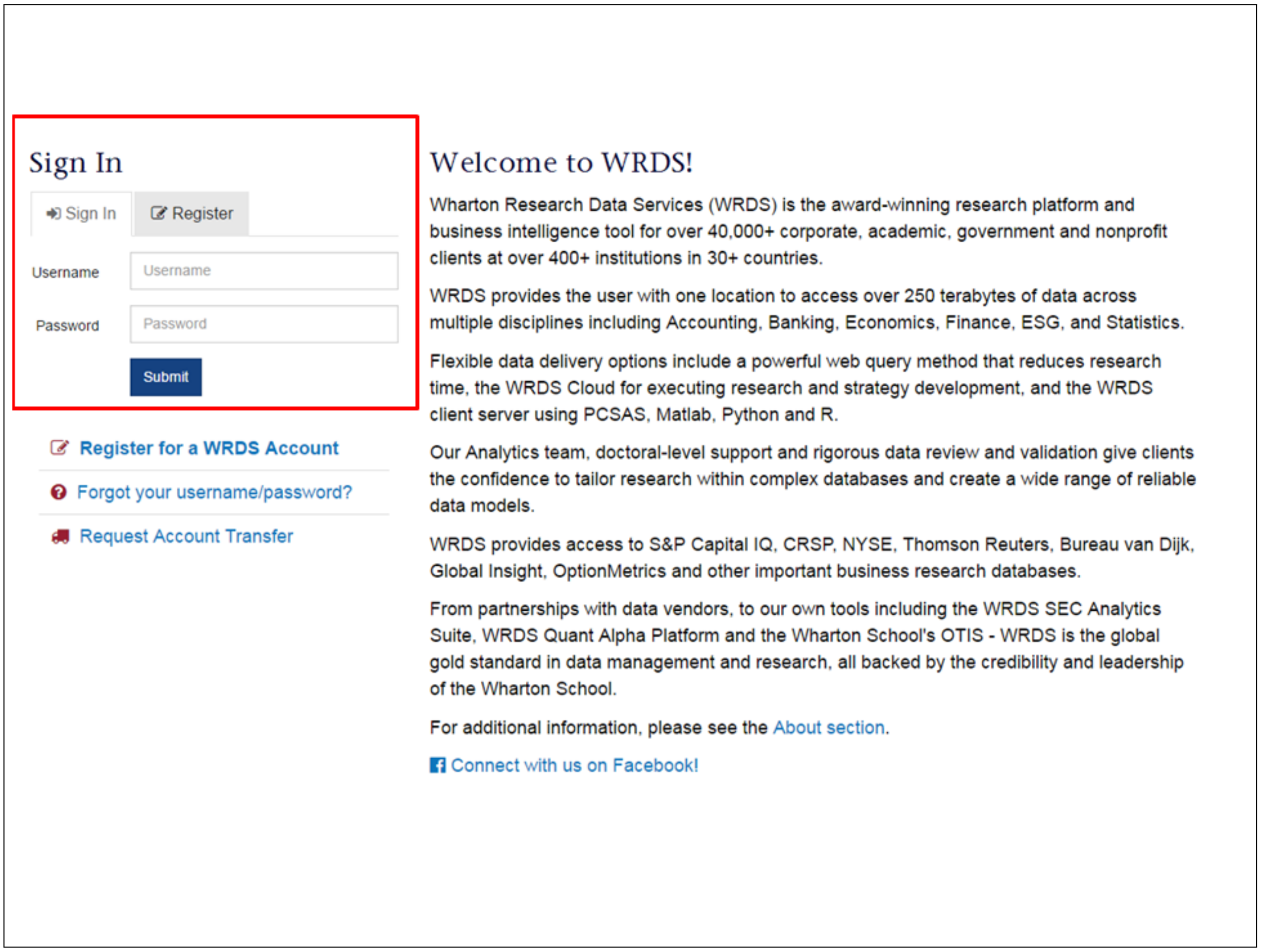
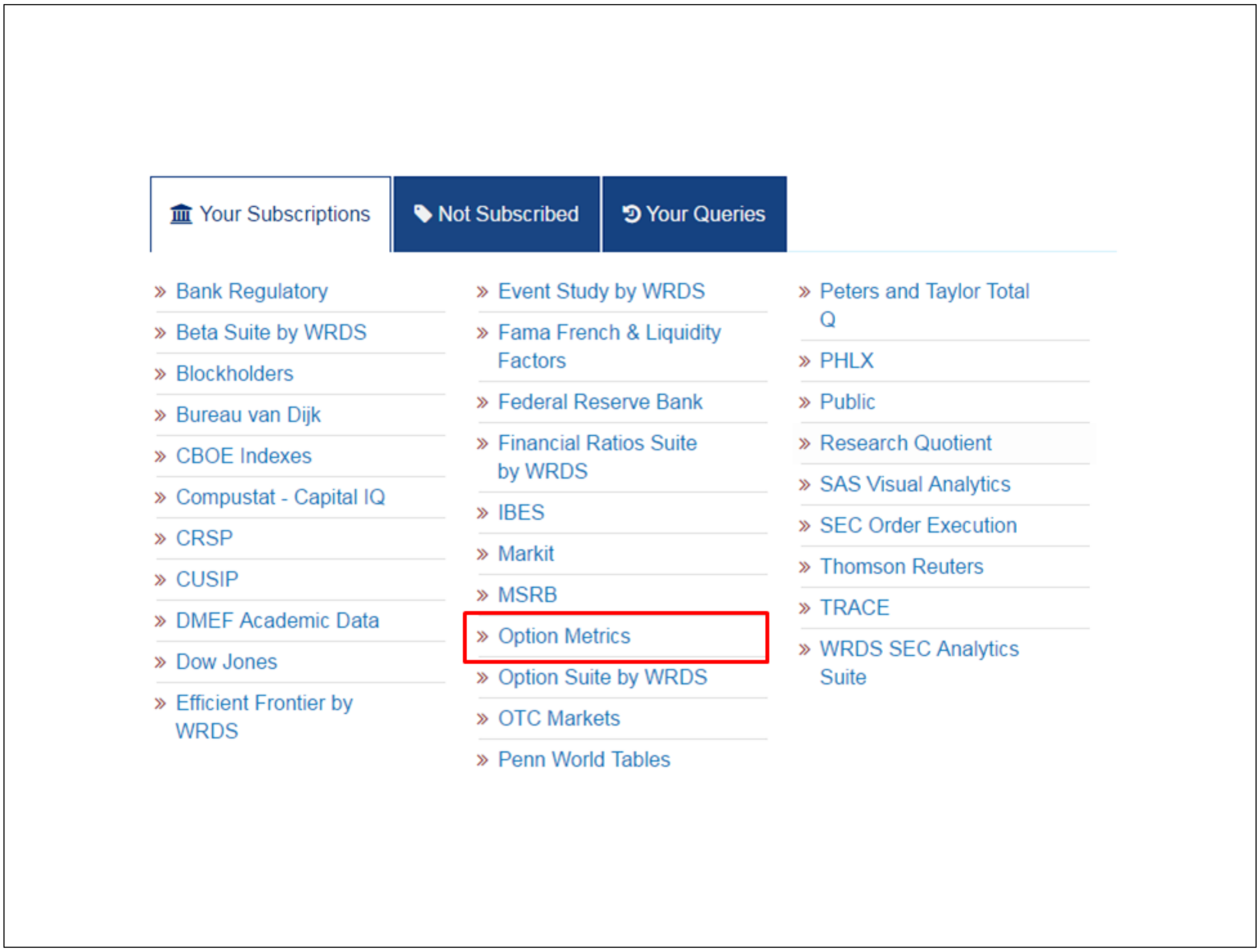
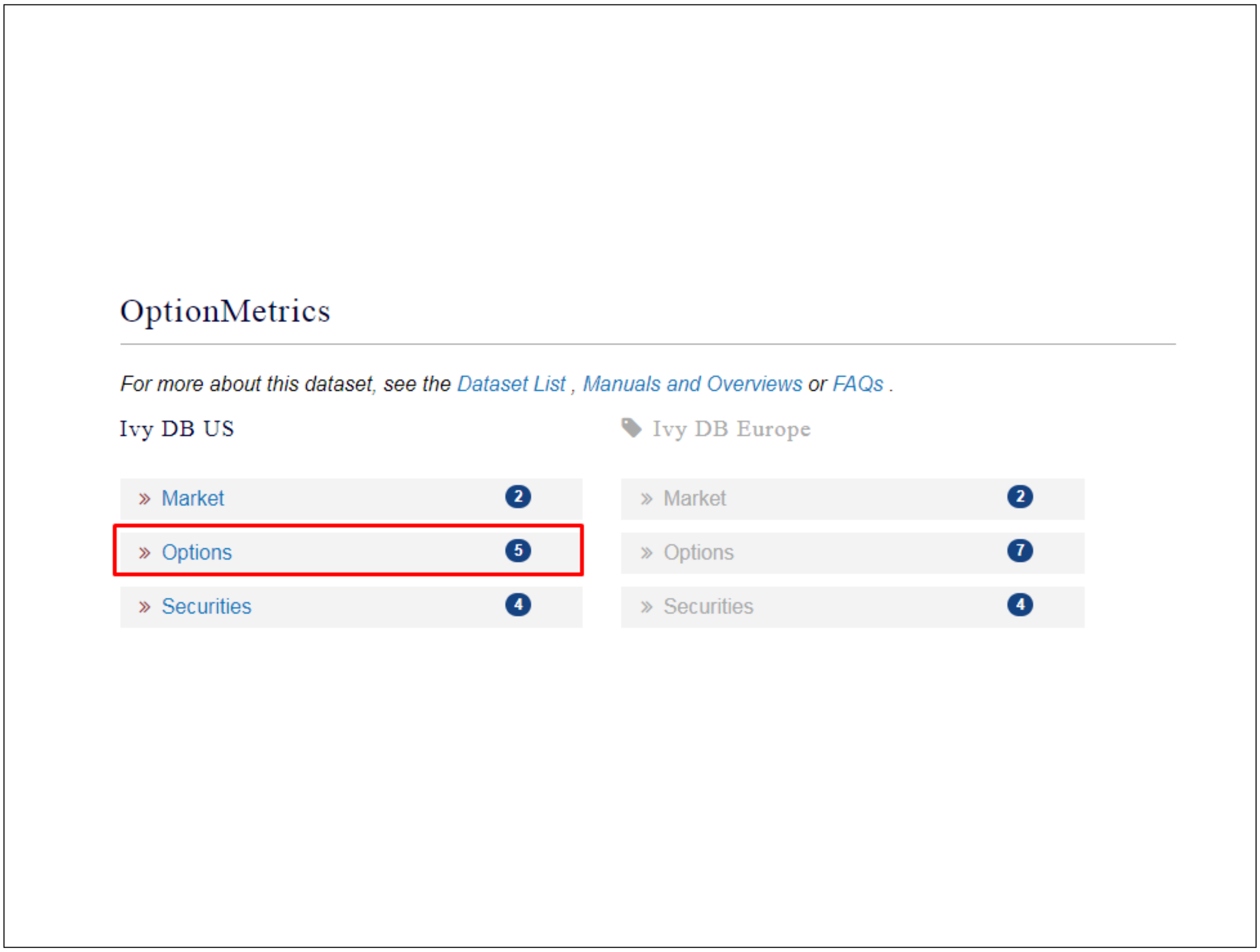
1. Go to the WRDS website: https://wrds-web.wharton.upenn.edu/wrds/
    - Log in with your WRDS account
    - If you are a researcher or Ph.D. student at Goethe University Frankfurt and do not yet have a WRDS account, you can request an account by writing an email to: datacenter@safe.uni-frankfurt.de



2. Click on OptionMetrics



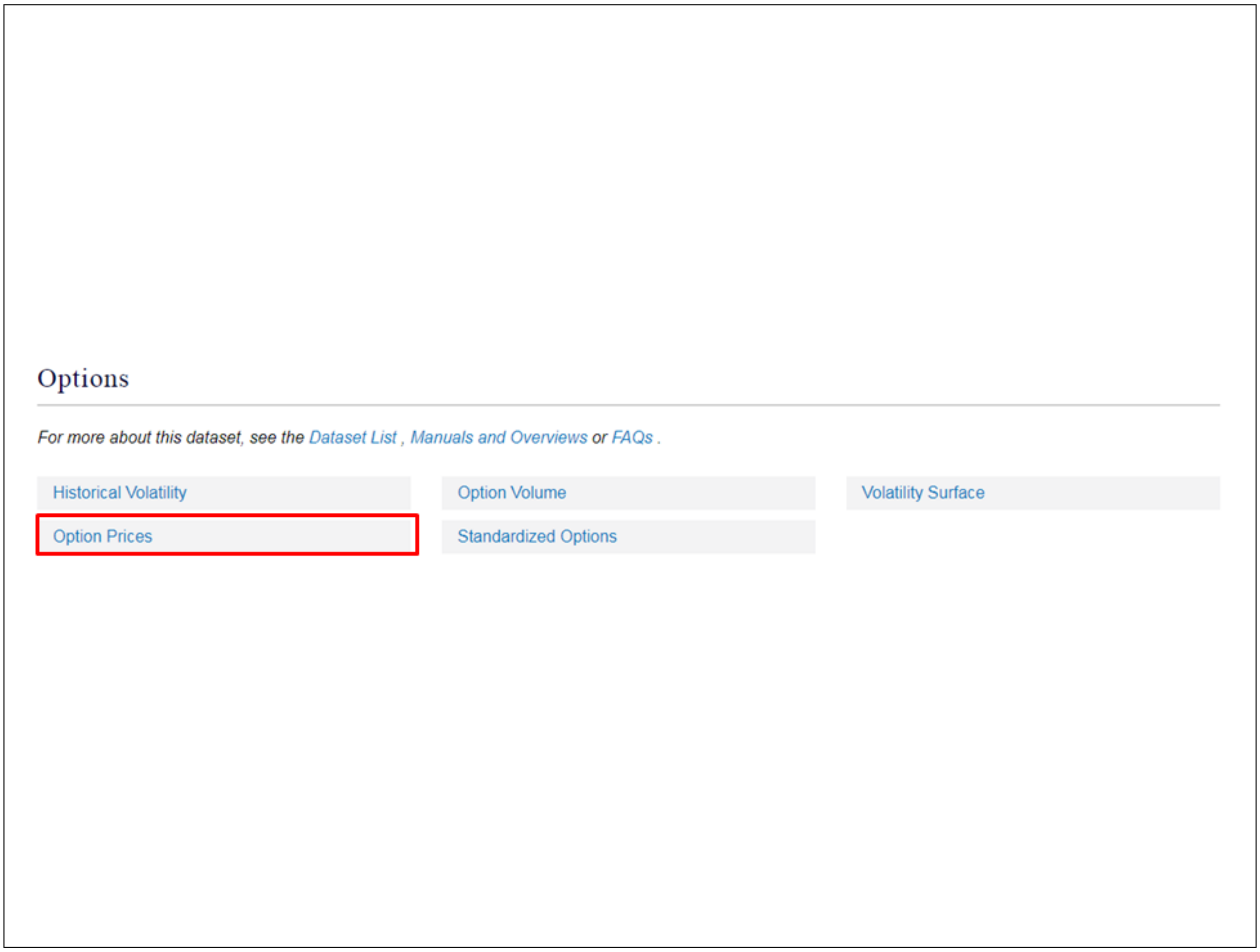
3. The OptionMetrics Ivy DB US database consists of several different sub-databases:
   - Market
   - Options
   - Securities
4. For example: Click on "Options"



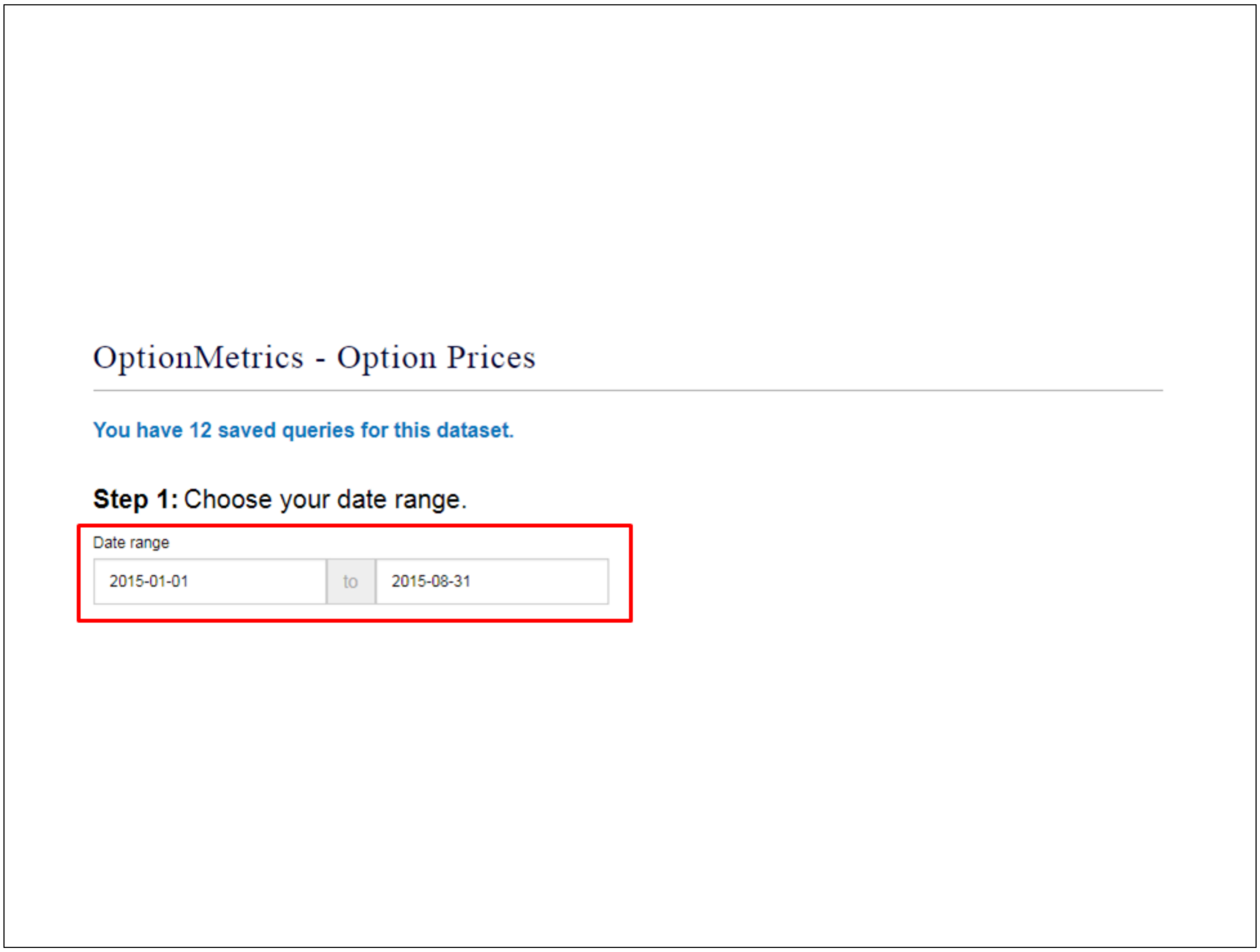
5. The OptionMetrics Ivy DB US "Options" sub-database consists of several different datasets:

- Historical Volatility
- Option Prices
- Option Volume
- Standardized Options
- Volatility Surface

6. For example: Click on "Option Prices"

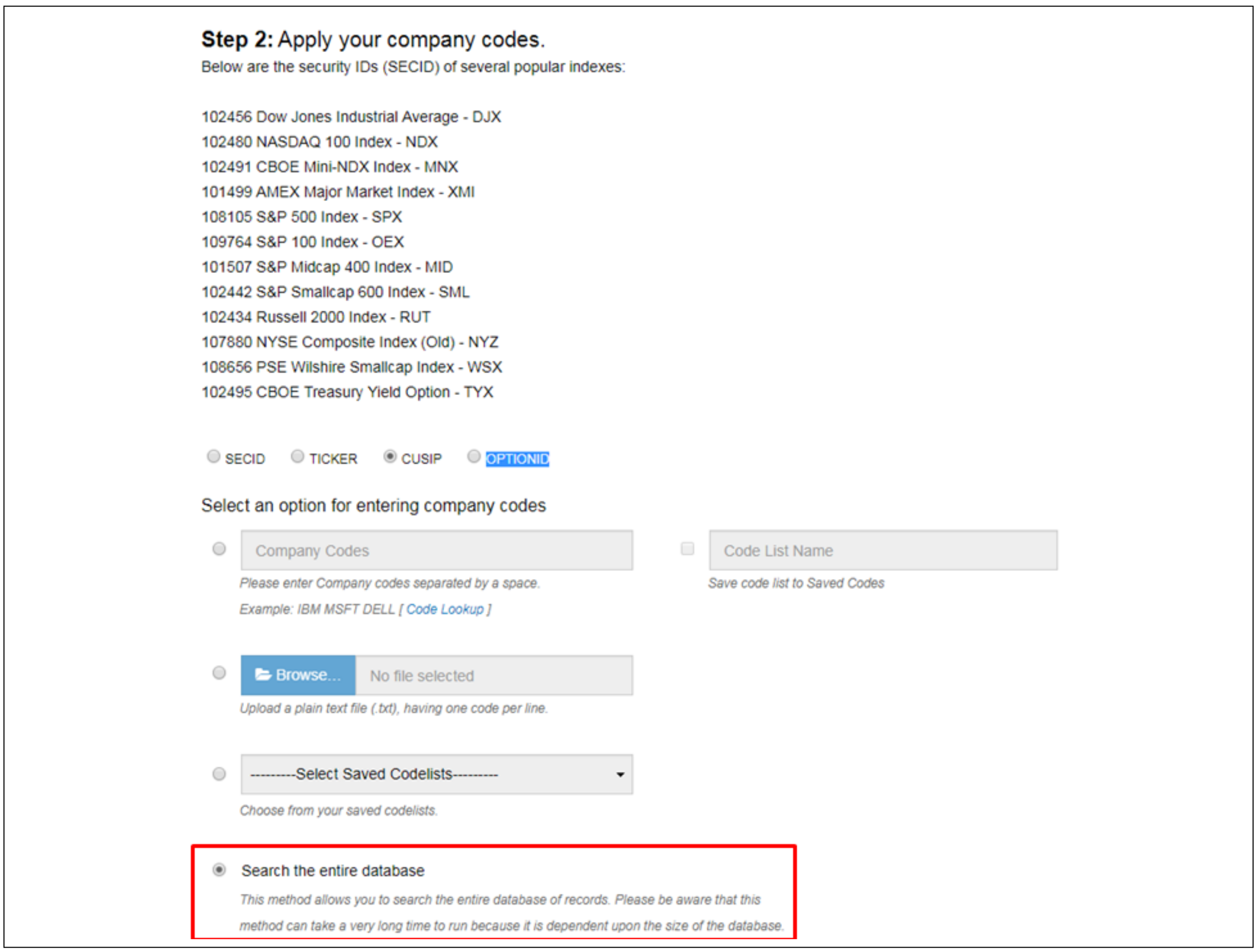


7. **Step 1:** Select the date range for which you want to obtain data.
   - Example here: January 1, 2015 - August 31, 2015

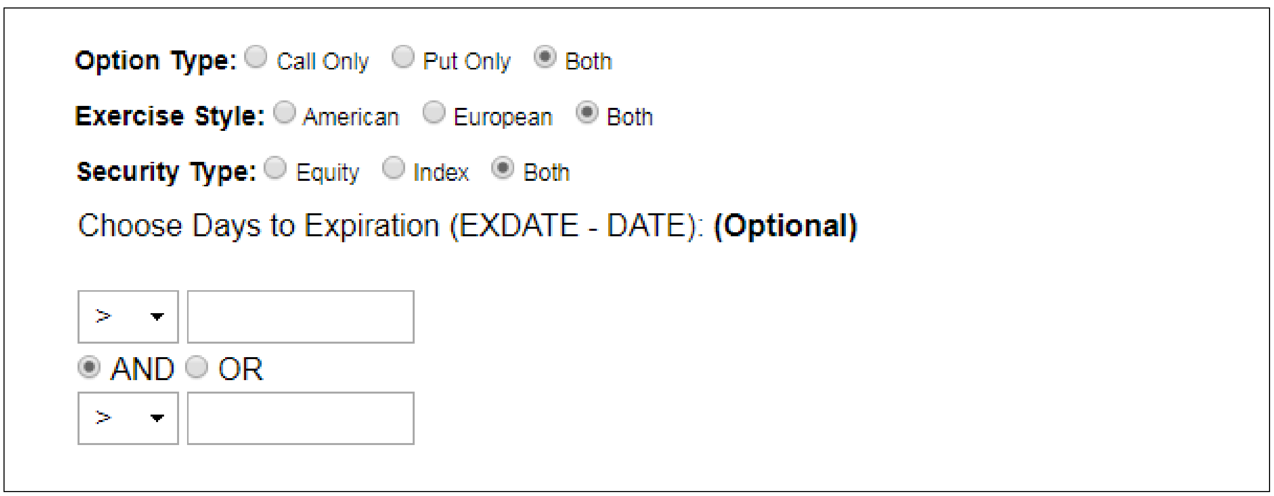


8. **Step 2:** Select the companies/securities for which you want to obtain data.

- OptionMetrics via WRDS allows you to select companies/securities based on four different identifiers
  (a) SECID
  (b) TICKER
  (c) CUSIP
  (d) OPTIONID
- You can select companies/securities in four different ways. Which method is the most appropriate depends on your research purpose.
  (a) You can manually add company codes
  (b) You can upload a .txt file containing the company/securities codes.
  (c) You can chose from a saved codelist (see Option (a)).
  (d) You can search the entire datase
- Example here: Search the entire database.

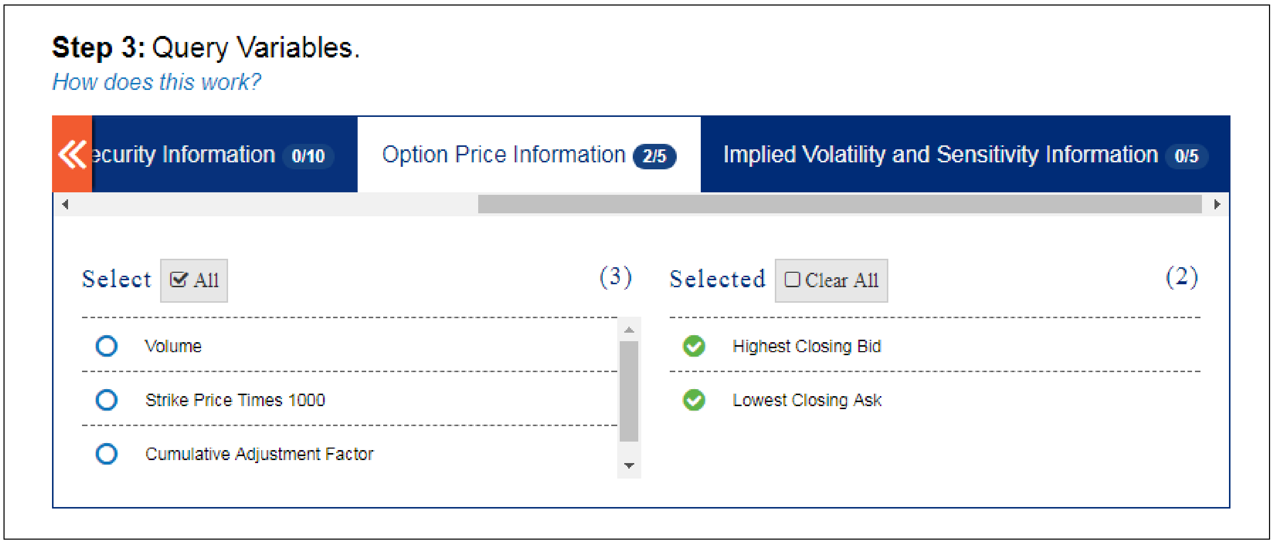


8. **Step 2 (cont.):** Select the companies/securities for which you want to obtain data.
    - You can additionally filter by:
        - Option Type
            * Call Only
            * Put Only
            * Both
        - Exercise Style
            * American
            * European
            * Both
        - Exercise Style
            * Equity
            * Index
            * Both
    - And you can additionally limit the range of days to expiration.



9. **Step 3:** Select the variables on which you want to obtain data.

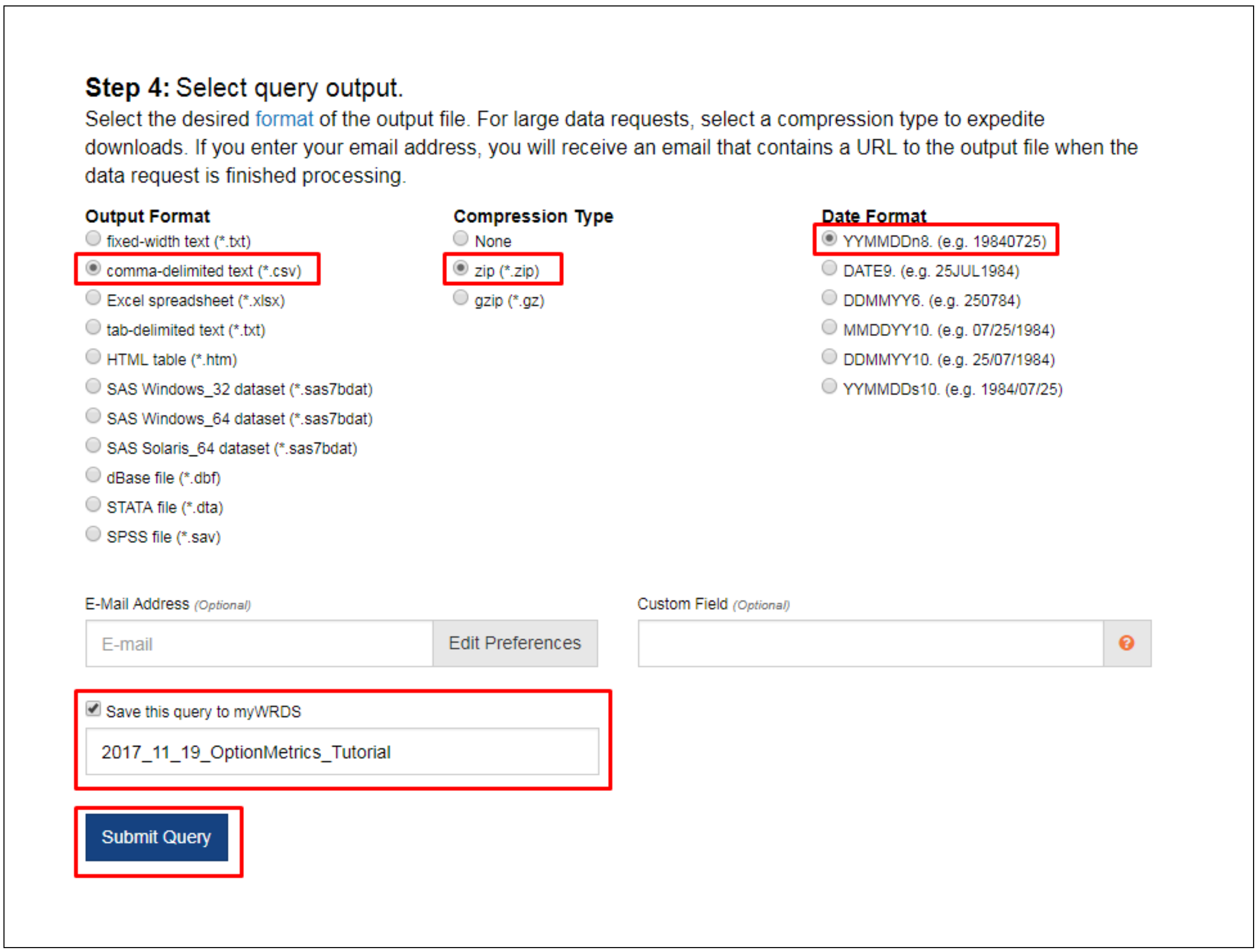
   - OptionMetrics classifies data into different categories.
     - Option Information
     - Underlying Security Information
     - Option Price Information
     - Implied Volatility and Sensitivity Information
     -
   - You can find a list of all variables included in OptionMetrics by clicking on "Variable Descriptions" on the top of the page.
   - Example here: Highest Closing Bid, Lowest Closing Ask



10. **Step 4:** Select the output format (and compression type and date format)

    - You can obtain the output of your query in different data formats.
        - Example here: comma-delimited text (*.csv)
    - For very large queries it might be recommendable to additionally chose a compression type.
        - Example here: zip (*.zip)
    - You can also chose your preferred date format
        - Example here: YYMMDDn8
    - You can also save your query and access it later.

11. Click on "Submit Query"



10. Your query is now processed. A new tab opens which will contain the download link once your query is completed. Click on the download link.

Data Request Summary

Your output is complete. Click on the link below to open the output file.

96862658f399f542_csv.zip (3.4 MB, 429419 observations 9 variables)

Download instructions

Internet Explorer and Firefox users... Right-click and select "Save Target As..."

Citation instructions

To cite this data use the following format:

Wharton Research Data Services. "OptionMetrics " wrds.wharton.upenn.edu, accessed 11/19/2017.

Data Request ID	96862658f399f542
Libraries/Data Sets	optionm/opprcd /
Frequency/Date Range	/ 31Aug2015 - 31Aug2015
Search Variable	cusip
Input Codes all item(s)	-all-
Conditional Statements	n/a
Output format/Compression	csv / zip
Variables Selected	BEST_BID BEST_OFFER
Extra Variables and Parameters Selected	