

Automated System for Customized Risk Analysis Using Data from the FFIEC 102 Reports

User Guidance

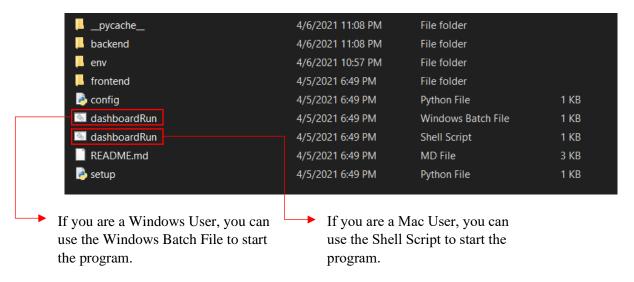
Responsible for: The University of Chicago 2021 Project Lab Team

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START THE PROGRAM

1. Click dashboardRun



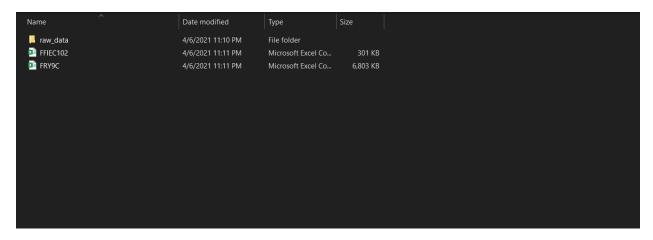
2. When you see the terminal screen shows "Compiled successfully", you are ready to launch the program.



FIRST TIME USAGE

1. Data File

If it is your first time to launch the program, you should go to: http://localhost:8080/#/home. The system will start to download the default six companies into your system. These raw data will be stored in the directory "...\demo\backend\data" after having been downloaded. The data directory contains files shown below:



2. data_setting.json

One thing you may notice is that the data_setting.json file in the directory "...\demo\backend" has been updated with current information. You can see in the "reports" section, we specified two forms. If you want to add more forms when analyzing, you may do so by adding the form name after the first two forms.

2. Data Loading

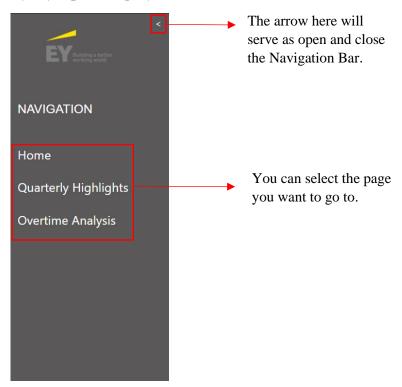
While the data is downloading, you will see the following Data Loading icon appear in front of your screen. The downloading procedure will take approximately 30 seconds to 1 minute.



You can also see in the Terminal the download progress.

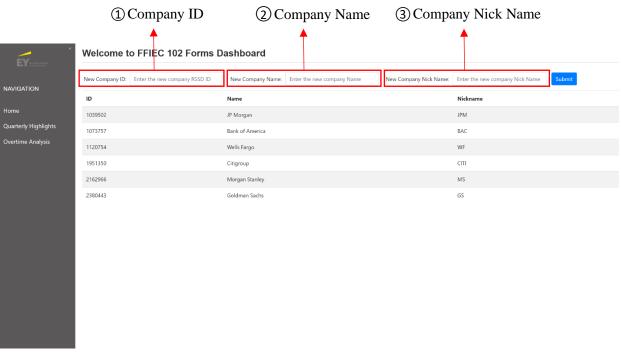
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 npm
210331' generated an exception: invalid csv url
2021-04-06 23:11:01,892 - F:\UChicago\PJLAB2\9.3\demo\backend\data/raw_data\2380443\FRY9C_2380443_20170630.csv is downlo
2021-04-06 23:11:01,910 - F:\UChicago\PJLAB2\9.3\demo\backend\data/raw_data\2380443\FRY9C_2380443_20160331.csv is downlo
2021-04-06 23:11:02,446 - F:\UChicago\PJLAB2\9.3\demo\backend\data/raw_data\2380443\FRY9C_2380443_20151231.csv is downlo
aded
2021-04-06 23:11:02,565 - F:\UChicago\PJLAB2\9.3\demo\backend\data/raw_data\2380443\FRY9C_2380443_20161231.csv is downlo
2021-04-06 23:11:02,577 - F:\UChicago\PJLAB2\9.3\demo\backend\data/raw_data\2380443\FRY9C_2380443_20170331.csv is downlo
aded
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2021-04-06 23:11:02,693 - F:\UChicago\PJLAB2\9.3\demo\backend\data/raw_data\2380443\FRY9C_2380443_20160930.csv is downlo
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2021-04-06 23:11:07,500 - F:\UChicago\PJLAB2\9.3\demo\backend\data/raw data\2380443\FRY9C 2380443 20171231.csv is downlo
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2021-04-06 23:11:07,740 - F:\UChicago\PJLAB2\9.3\demo\backend\data/raw_data\2380443\FRY9C_2380443_20180630.csv is downlo
2021-04-06 23:11:08,155 - F:\UChicago\PJLAB2\9.3\demo\backend\data/raw_data\2380443\FRY9C_2380443_20180331.csv is downlo
aded
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NAVIGATION BAR



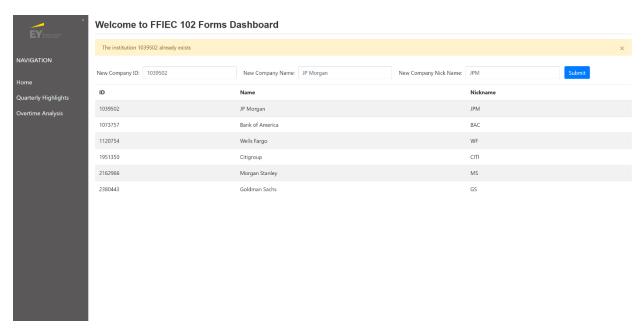
HOME PAGE

After data is successfully downloaded, your homepage will show the default six companies in the chart. You will be able to add new company by specifying: 1. Company ID, 2. Company Name, 3. Company Nick Name.



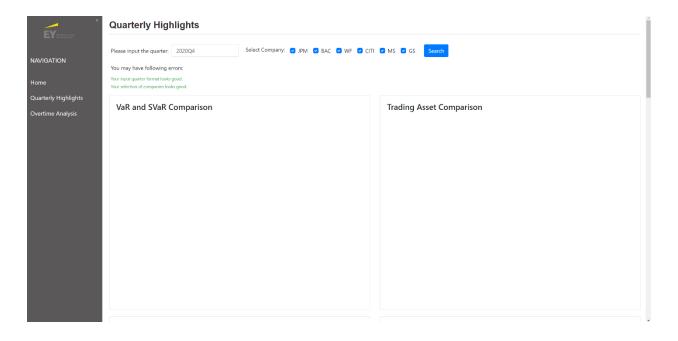
Please note that you need to enter valid company ID. If there is any invalid input or you input an existing company ID, the system will return error message as shown below.

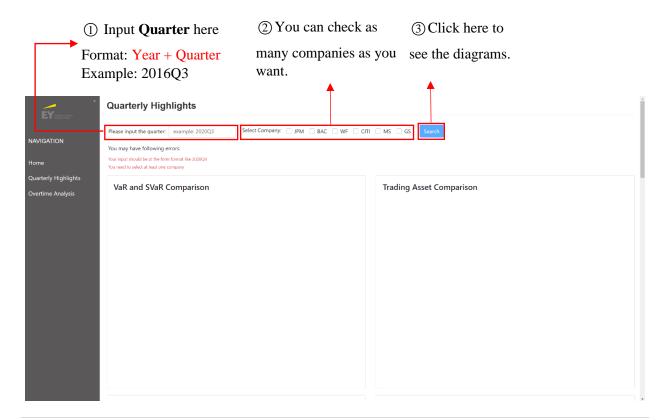




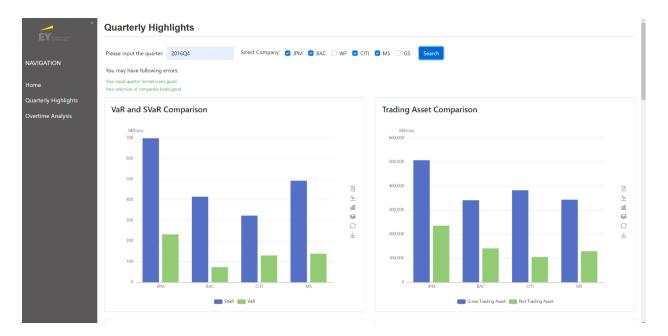
QUARTER HIGHLIGHTS

1. The following is the default page of Quarterly Highlights section. You may notice that in default, we have selected all the six companies and have specified one quarter.



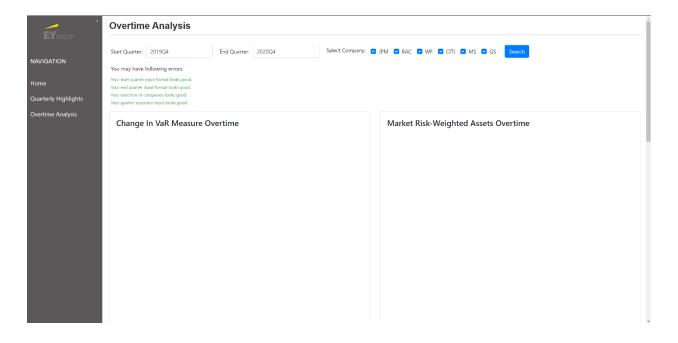


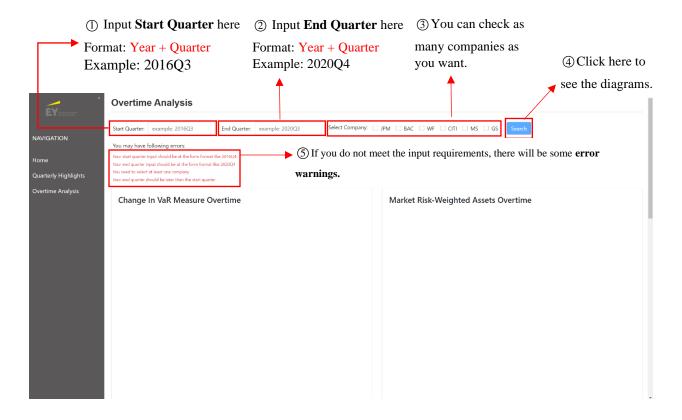
2. After clicking "Search", you will see these Quarterly Highlights diagrams.



OVERTIME ANALYSIS

1. The following is the default page of Overtime Analysis section. You may notice that in default, we have selected all the six companies and have specified both start and end quarter.





2. After clicking "Search", you will see these Overtime Analysis diagrams. Here is an example:

