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

Contents

START THE PROGRAM
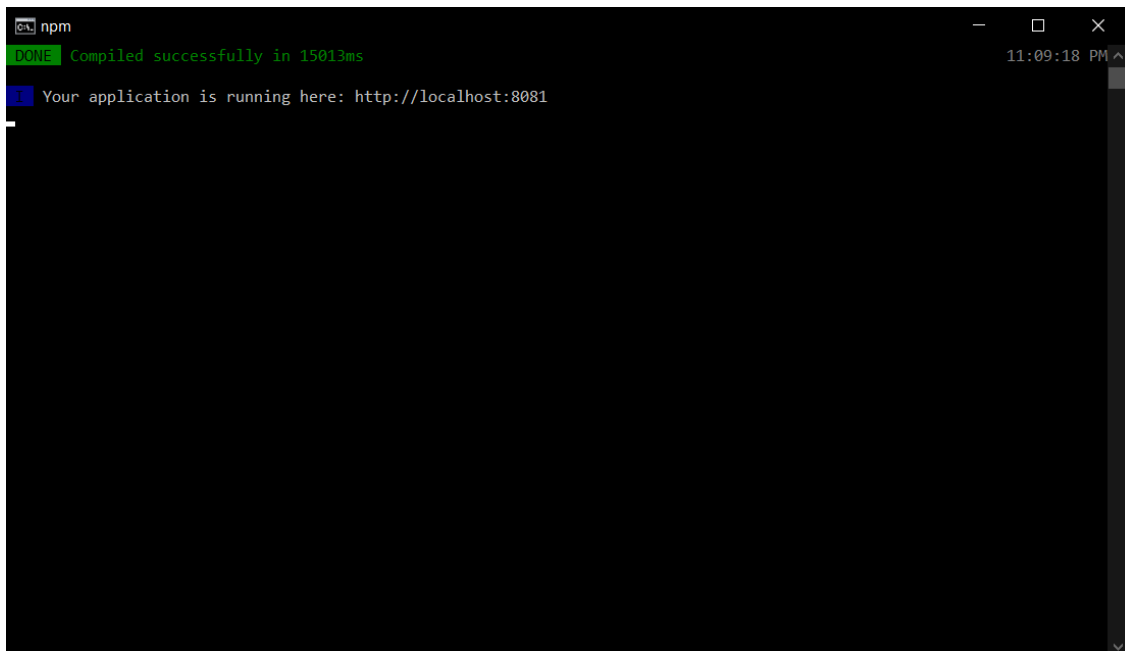
1. Click dashboardRun

__pycache__	4/6/2021 11:08 PM	File folder	
backend	4/6/2021 11:08 PM	File folder	
env	4/6/2021 10:57 PM	File folder	
frontend	4/5/2021 6:49 PM	File folder	
config	4/5/2021 6:49 PM	Python File	1 KB
dashboardRun	4/5/2021 6:49 PM	Windows Batch File	1 KB
dashboardRun	4/5/2021 6:49 PM	Shell Script	1 KB
README.md	4/5/2021 6:49 PM	MD File	3 KB
setup	4/5/2021 6:49 PM	Python File	1 KB

If you are a Windows User, you can use the Windows Batch File to start the program.

If you are a Mac User, you can use the Shell Script to start the program.

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:
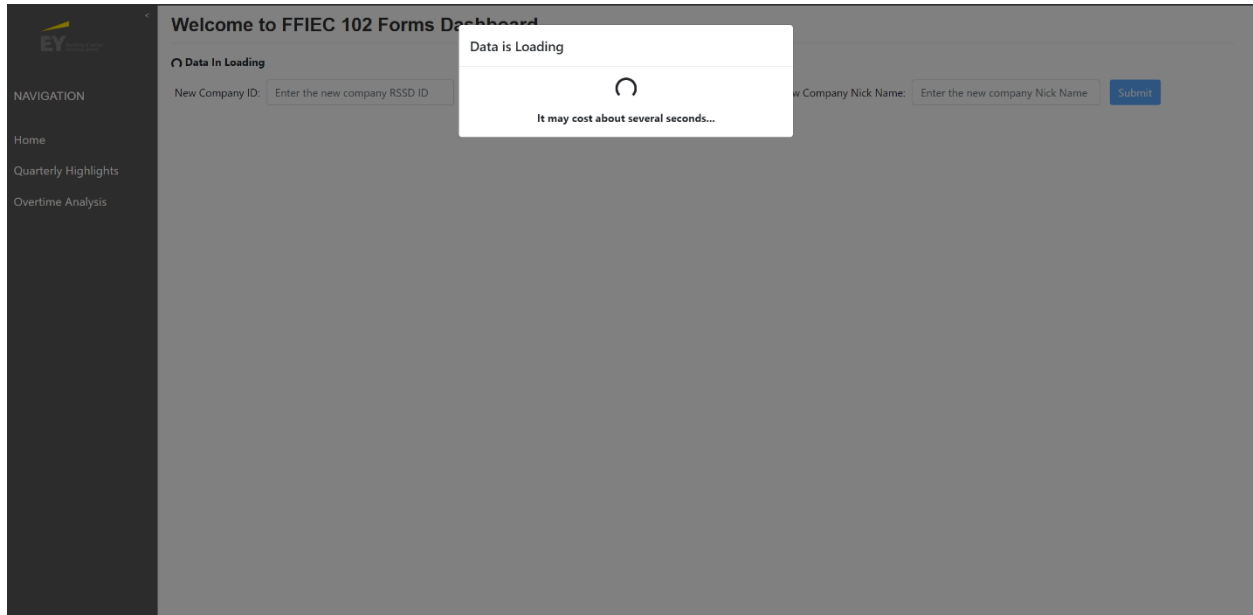

2. data_setting.json

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.
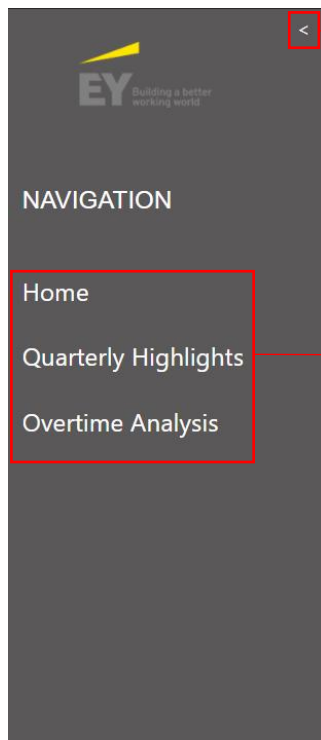
3. Data Loading

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.

NAVIGATION BAR

The arrow here will serve as open and close the Navigation Bar.

You can select the page you want to go to.

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.

① Company ID   ② Company Name   ③ Company Nick Name

Update Data:

If you perceive there are FFIEC forms have been released, you may click the update data button to update the entire data file.

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.
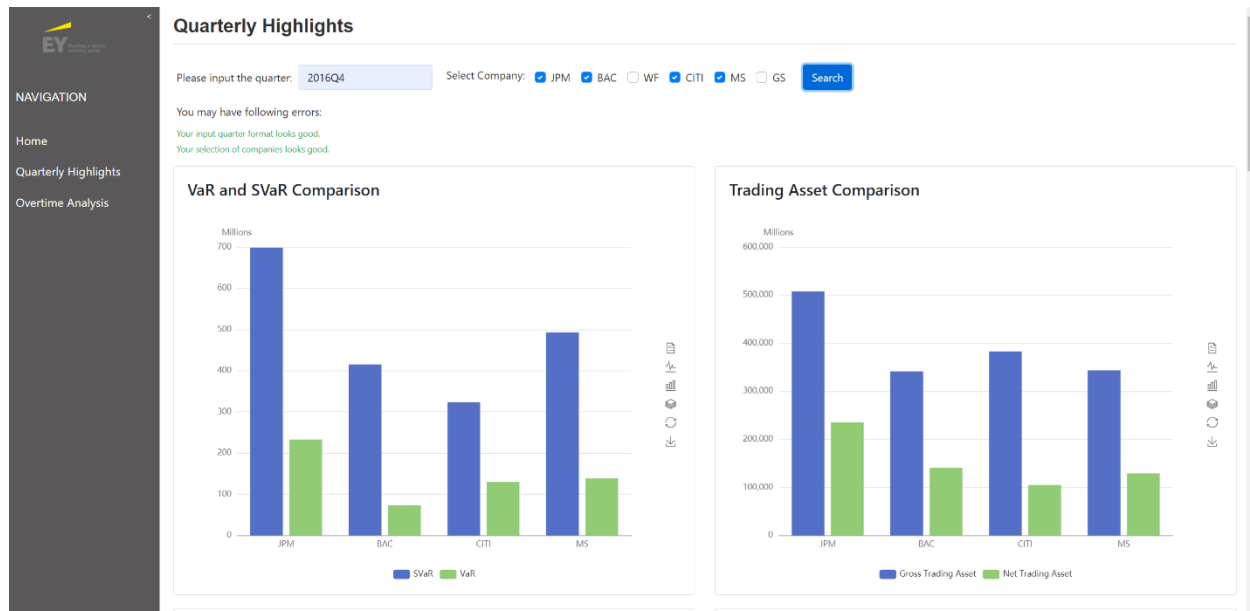
QUARTER HIGHLIGHTS

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.

① Input **Quarter** here

Format: Year + Quarter
Example: 2016Q3

② You can check as many companies as you want.

③ Click here to see the diagrams.

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.
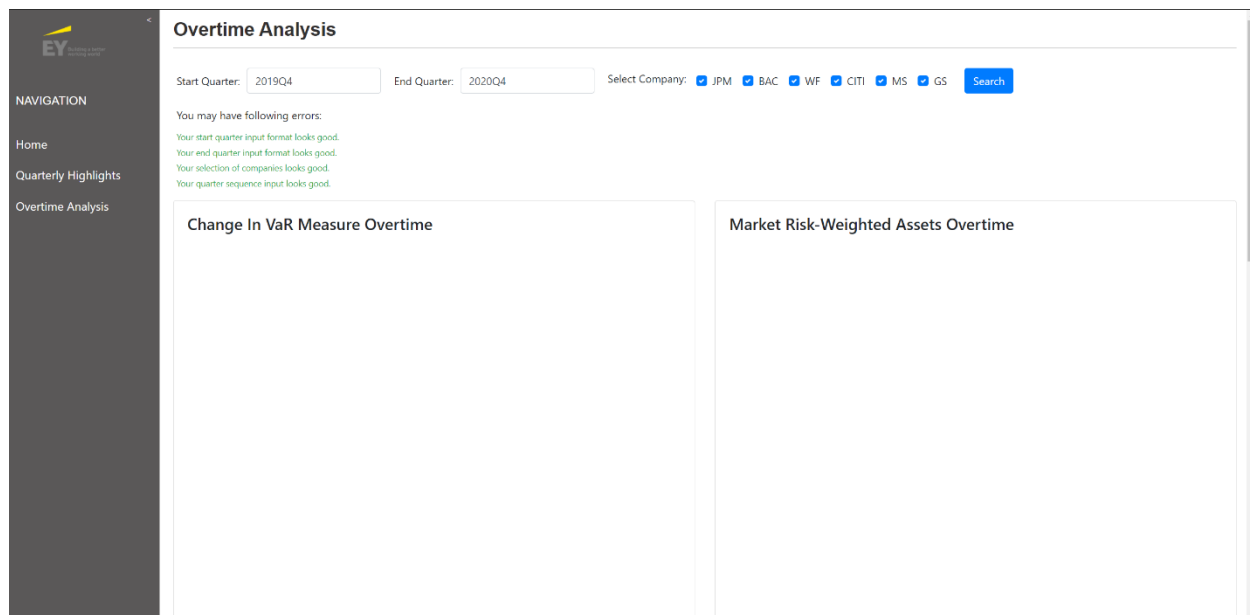
① Input **Start Quarter** here

Format: Year + Quarter
Example: 2016Q3

② Input **End Quarter** here

Format: Year + Quarter
Example: 2020Q4

③ You can check as many companies as you want.

④ Click here to see the diagrams.

⑤ If you do not meet the input requirements, there will be some **error warnings.**

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