

Refinitiv Eikon training

Hanken School of Economics

11 February 2021

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Agenda

Please use the chat to post your questions

Eikon

- Equities: Estimates, Financials & Peer Analysis
- Screening public & private companies, government & corporate bonds

Excel add-in

- Time series & fundamentals data
- Data retrieval using template

Datastream

- Time series request
- User Created Indices (UCI)

Codebook

Introducing Codebook: Refinitiv's cloud-hosted development environment for Python scripting

Resources & Certification

Refinitiv Academy: Live Instructor-Led Learning

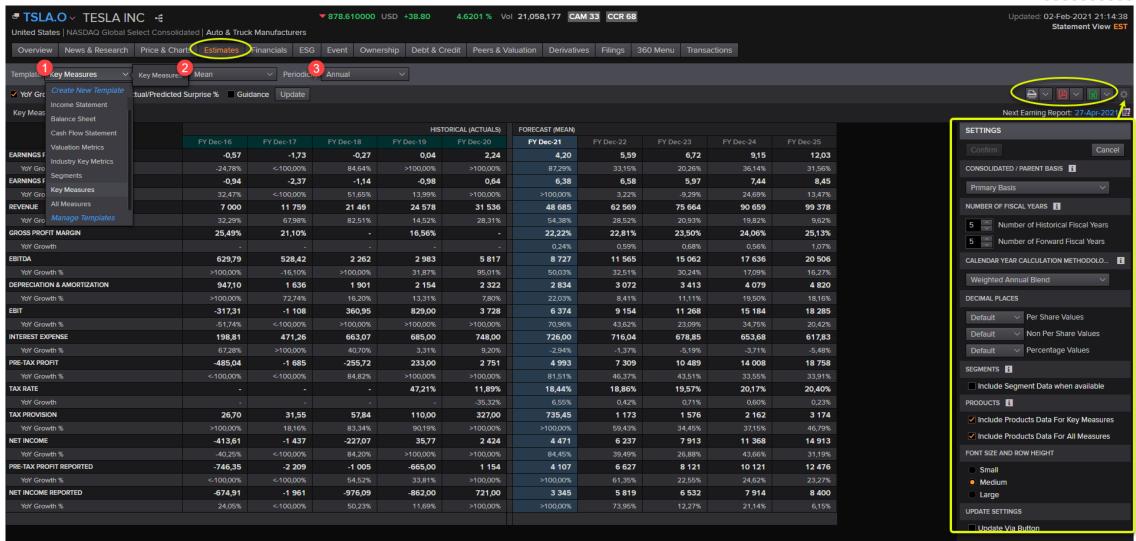


Eikon data retrieval



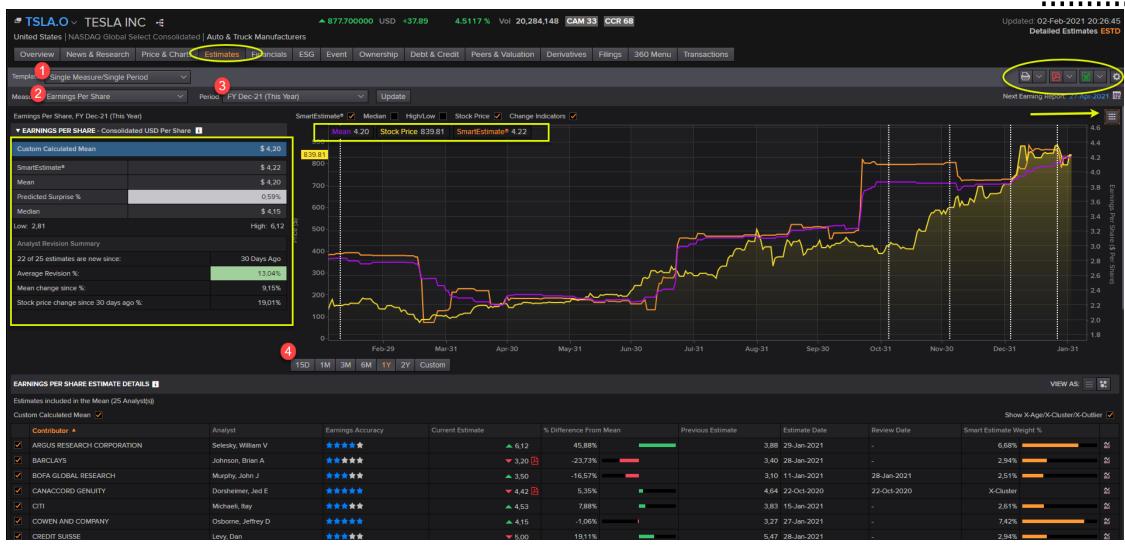
Statement View: Actual vs. Forecast





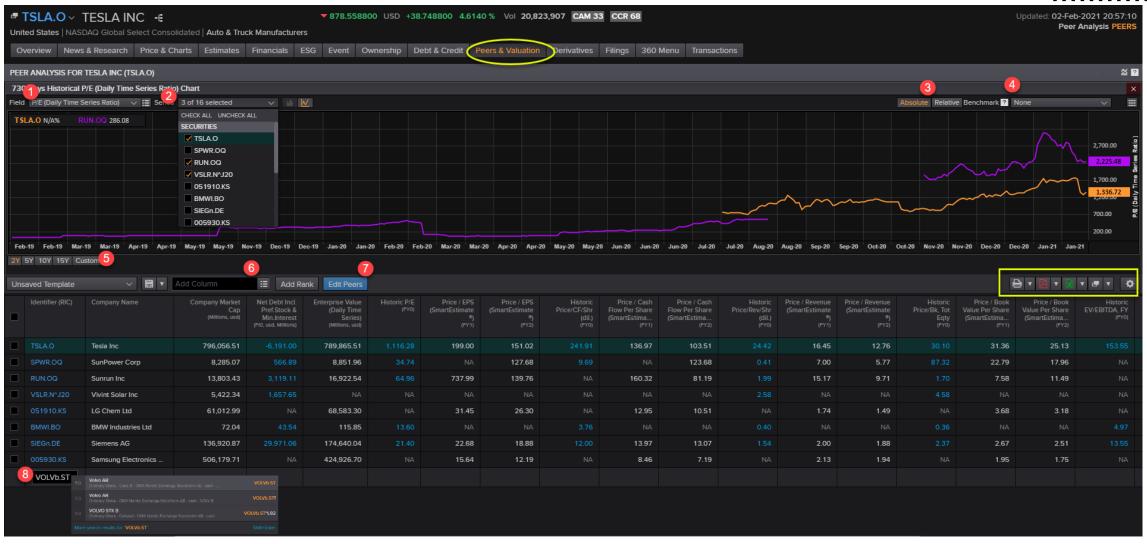
Detailed Estimates by Measure





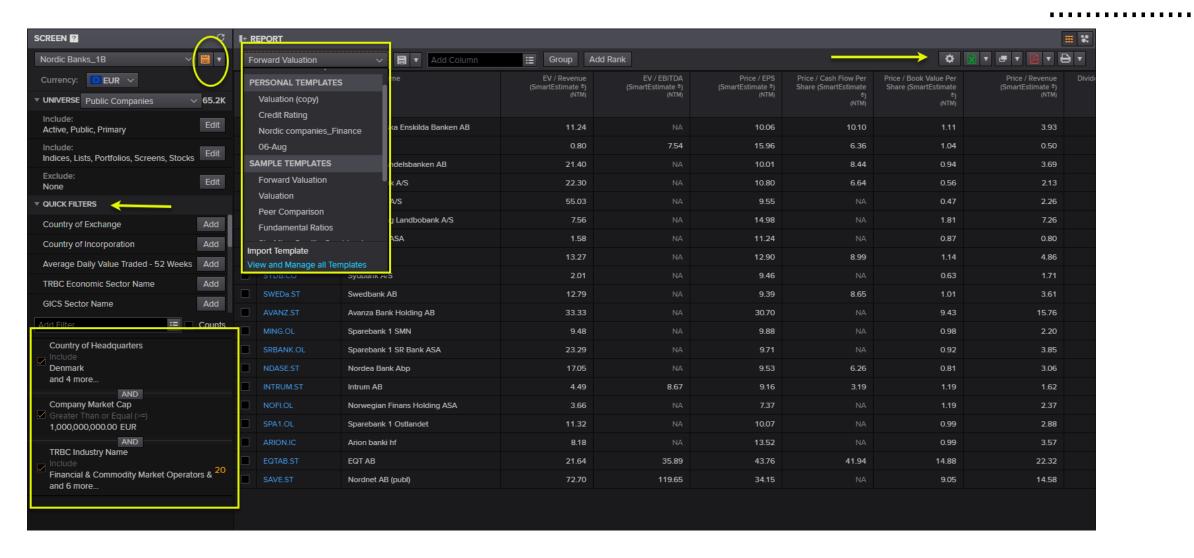
Peer Analysis





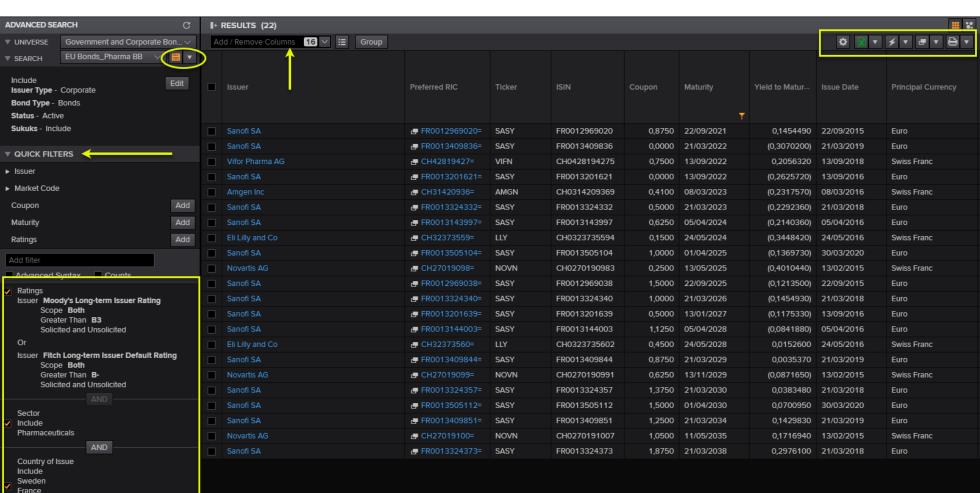
Screening Public and Private Equities (SCREENER)







Screening Government & Corporate Bonds (GOVSRCH)





Russia And 20 more

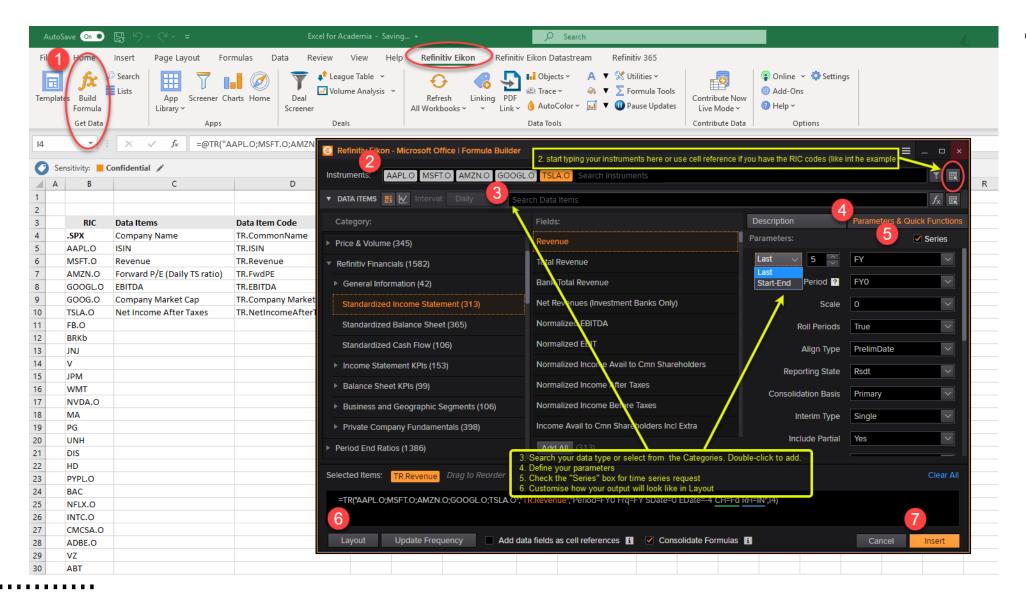
Maturity After 27/04/2020

Excel Add-in



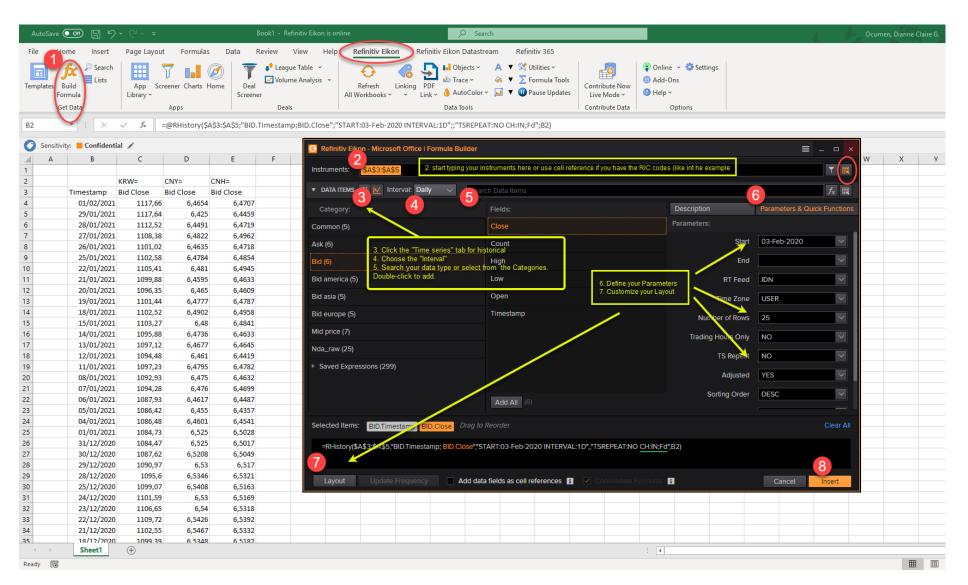
How to retrieve time series (fundamentals) using the Formula Builder





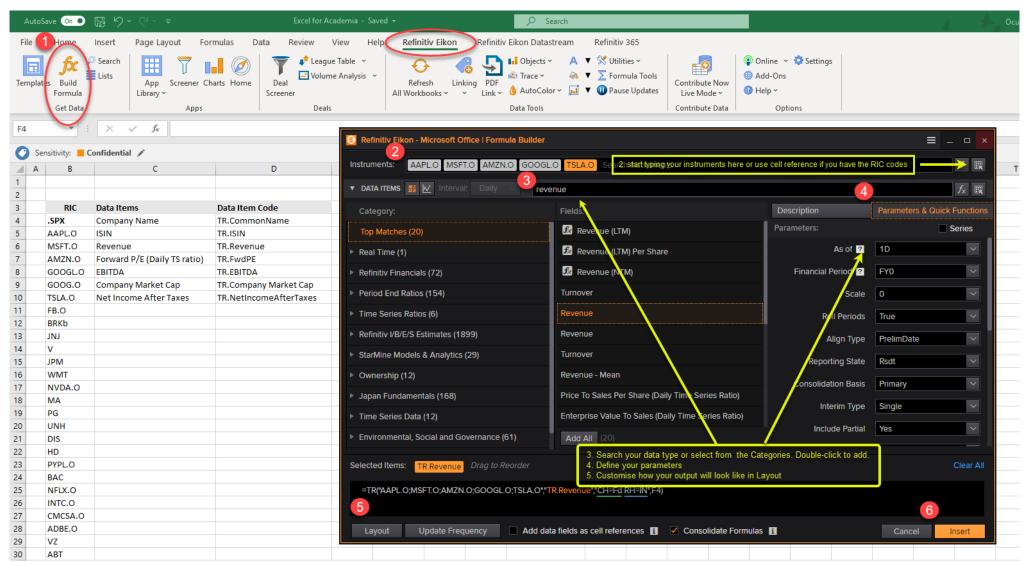


How to retrieve time series (FX) data using the Formula Builder





How to retrieve static data using the Formula Builder

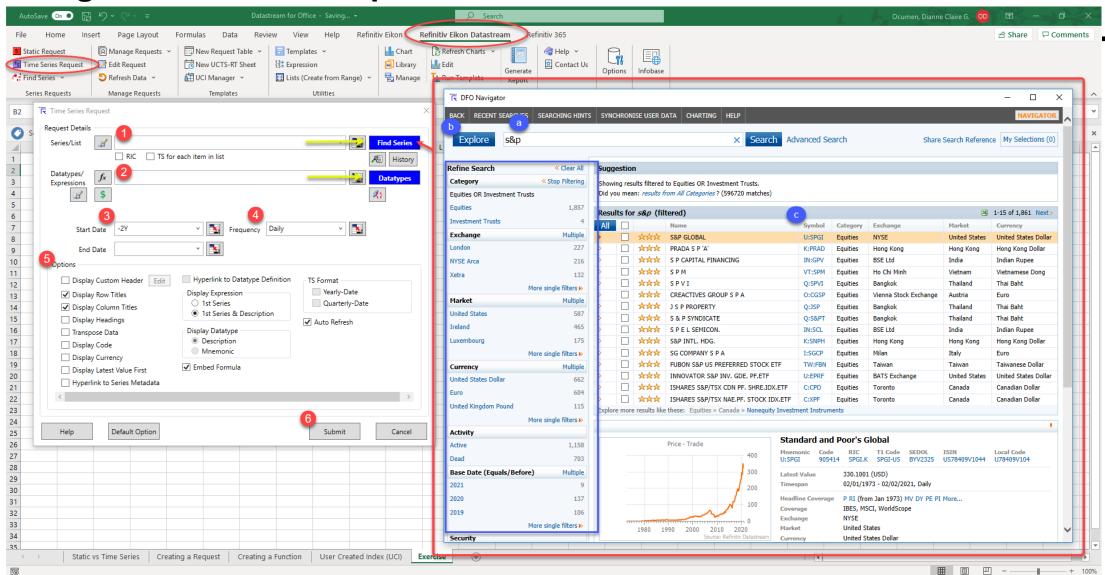




Datastream for Office

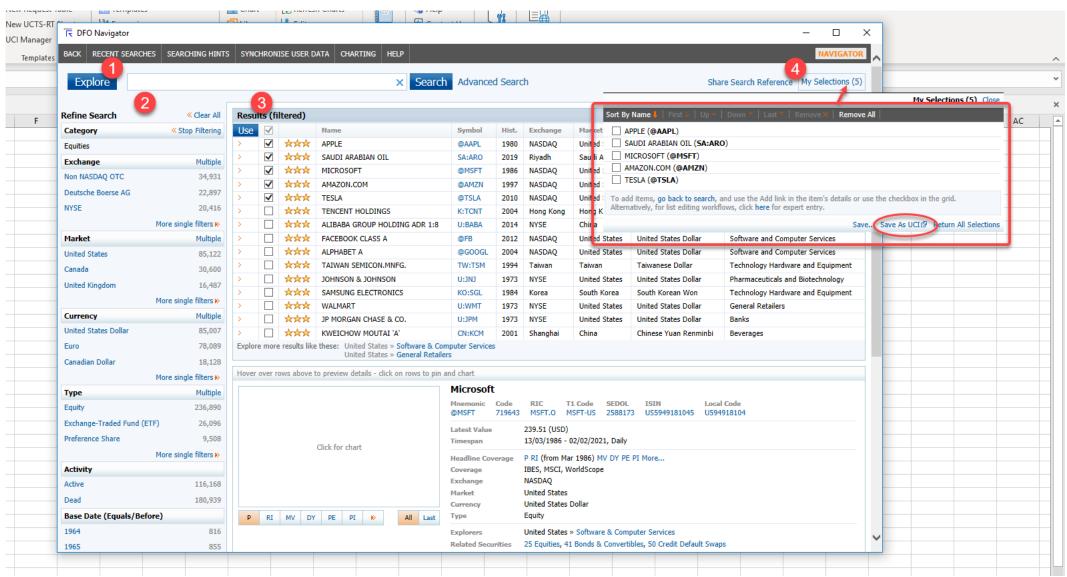


Creating a Time Series Request





Creating your own index: User Created Index (UCI)







Codebook

Refinitiv's cloud-hosted development environment for Python scripting

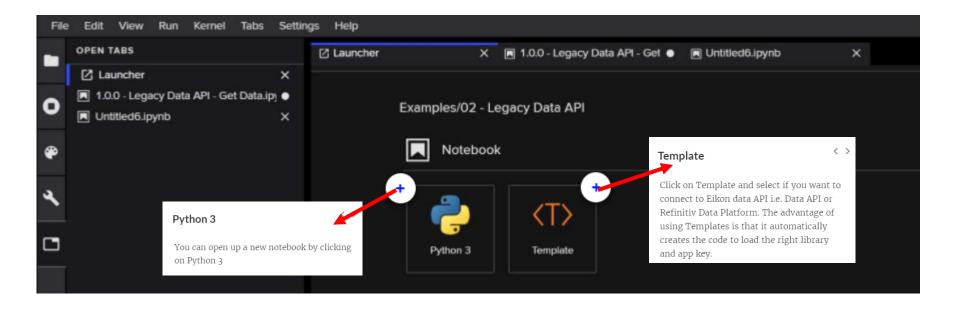
Getting Started with Codebook

Exercise: Retrieve Prices using Get Data

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To open Codebook in Eikon:

- 1. Type **CodeBook** in search to open CodeBook [**CODEBK**]
- 2. Open a new notebook from the Launcher





CODEBOOK



1. Click on Template and select Eikon Data API.



2. Click the Play button to run the API (or Shift-Enter). You should now have an active session.

```
[ ]: import refinitiv.dataplatform.eikon as ek

ek.set_app_key('DEFAULT_CODE_BOOK_APP_KEY')

•••
```

3. Next, let's retrieve some prices. If you are unfamiliar with coding, RIC codes and data field names the easiest way to create the code is either using CodeCreator (more about this later) or copy code from the examples folder.

For this example, we are going to copy code from the examples folder.



CODEBOOK

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- 3. Copying the code from the examples folder:
 - Open up the examples folder and navigate to Eikon Data API folder and 1.0.0 Eikon Data API Get Data.
 - Copy the code for snapshot real-time pricing and paste into the notebook you just created, then run the API.

Snapshot real-time pricing

106.7700 106.8000

```
[2]: df, err = ek.get_data(['PEUP.PA','EUR=', 'JPY='], [ 'BID','ASK'])
df
```

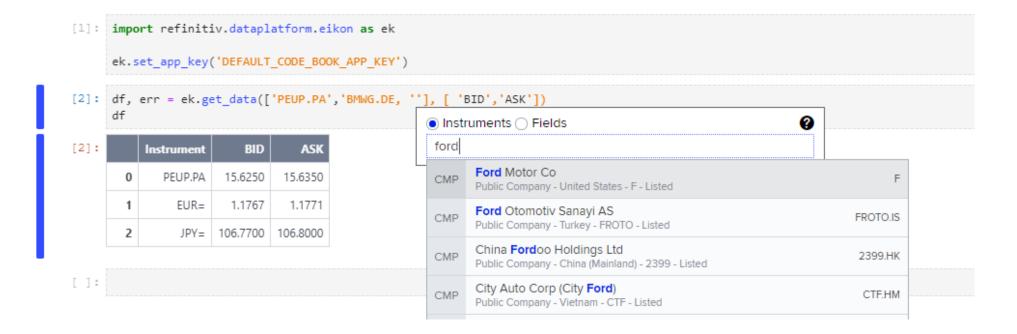
Your notebook should now look like this:



CODEBOOK

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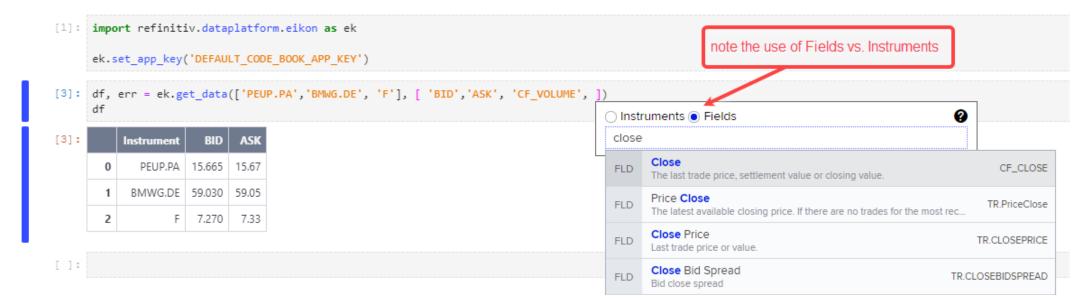
- 4. Now, let's explore some of the other functionalities inside CodeBook. Let's start with changing some of the instruments and fields.
 - Use the CRTL + SPACE to search for instruments or fields. Example: replacing the two currencies with BMW and Ford.



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CODEBOOK

5. Next, use the same functionality to add the fields **volume** and **close price**. The code should look like this:



Getting started with CodeCreator

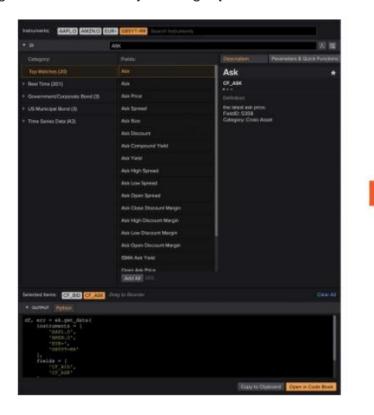
Exercise: Retrieve Prices using Get Data

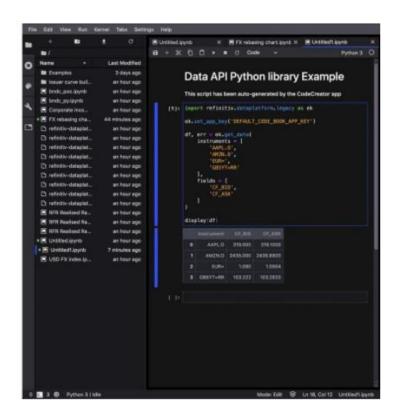


If you do not have much Python experience or if you have never used the Data API, you can use the **CodeCreator** app to build a sample data API request. CodeCreator has the same UI as the Refinitiv Excel formula builder and can generate Python snippets for you and open them in CodeBook.

Two Ways:

- 1. By copying the code (Click **Copy to Clipboard**) and pasting the code into an existing notebook
- 2. By creating a new notebook by clicking **Open in Codebook**.







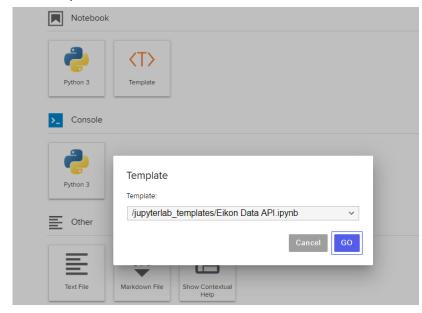
Exercise: Retrieving data using CodeCreator

CODECREATOR

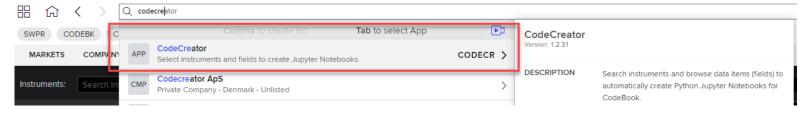


In this exercise we will retrieve snapshot data for Dow Jones index using CodeCreator and copying the code to an existing notebook.

1. Open up a new template from the Launcher. Select Eikon Data API and run to activate the session.



2. Use Eikon/Workspace search to find CodeCreator.





Exercise: Retrieving data using CodeCreator

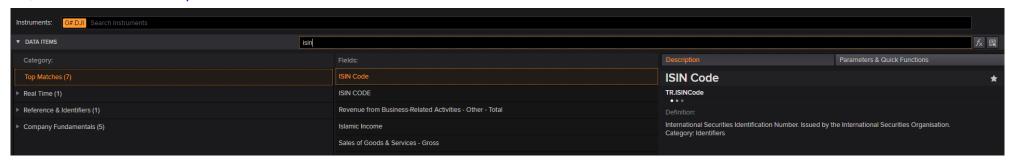
CODECREATOR



3. Populate the Instruments section with the chain for Dow Jones index. Note: use the chain RIC to retrieve the constituents rather than the index itself.



4. Under Data Items, select last and close price and ISIN.



You will see the code at the bottom of **CodeCreator**. It should be:

```
df, err = ek.get_data(
   instruments = ['0#.DJI'],
   fields = [
        'CF_LAST',
        'CF_CLOSE',
        'ISIN_CODE'
   ]
)
display(df)
```



Exercise: Retrieving data using CodeCreator

CODECREATOR

Click on Copy to Clipboard.

Open up your notebook and paste the code, then run the code. The result should look like this:

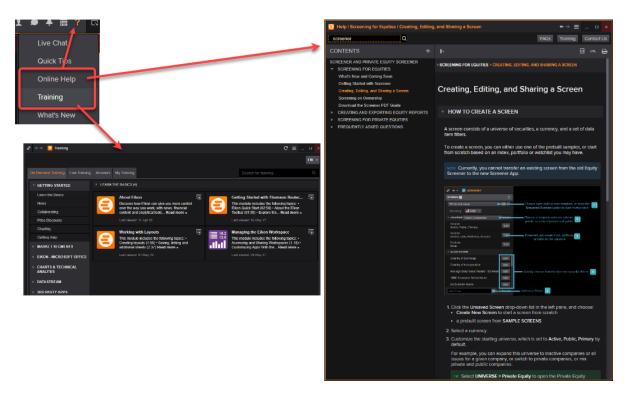






Resources & Certification

On Demand Training videos & Online Help



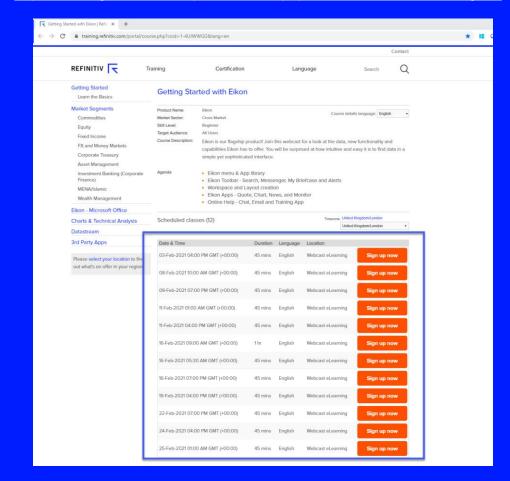
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OR https://my.refinitiv.com/content/mytr/en/productsupport.html

REFINITIV ACADEMY: Live Instructor-Led Learning

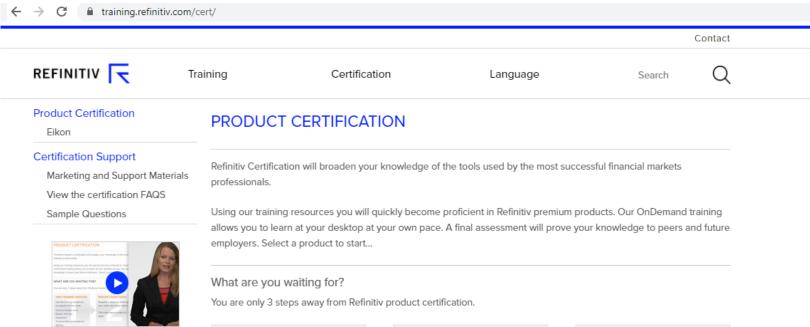


https://training.refinitiv.com/portal/course.php?coid=1-4UJWWGG&lang=en



Refinitiv Certification





VIEW TRAINING MODULES

Introduction Video

Use the training resources to prepare for the exam: Eikon Datastream

REQUEST EXAM TOKEN

Request a token by entering your name and email address The exam token is valid for 1 week

TAKE THE TEST

You have 60 minutes to answer 30 multiple choice questions You can use your product during the exam 2 attempts at the exam Get your result instantly

Come and join the conversation on our social channels.





Thank you



