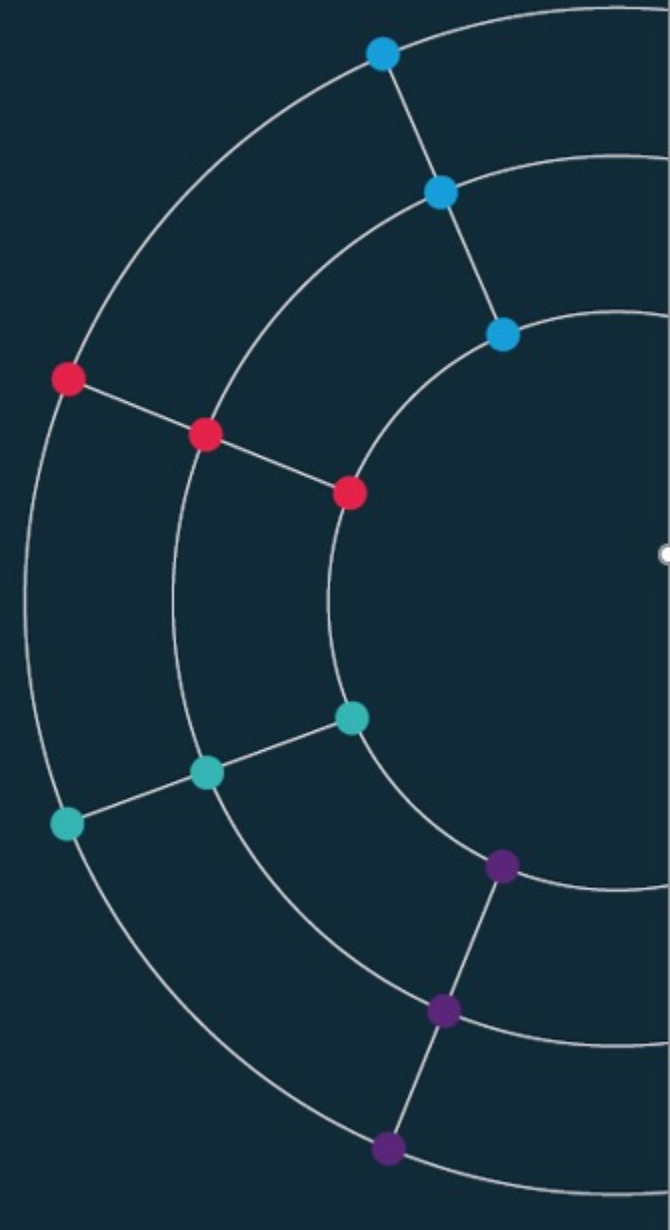




Session 5.

Transforming Data

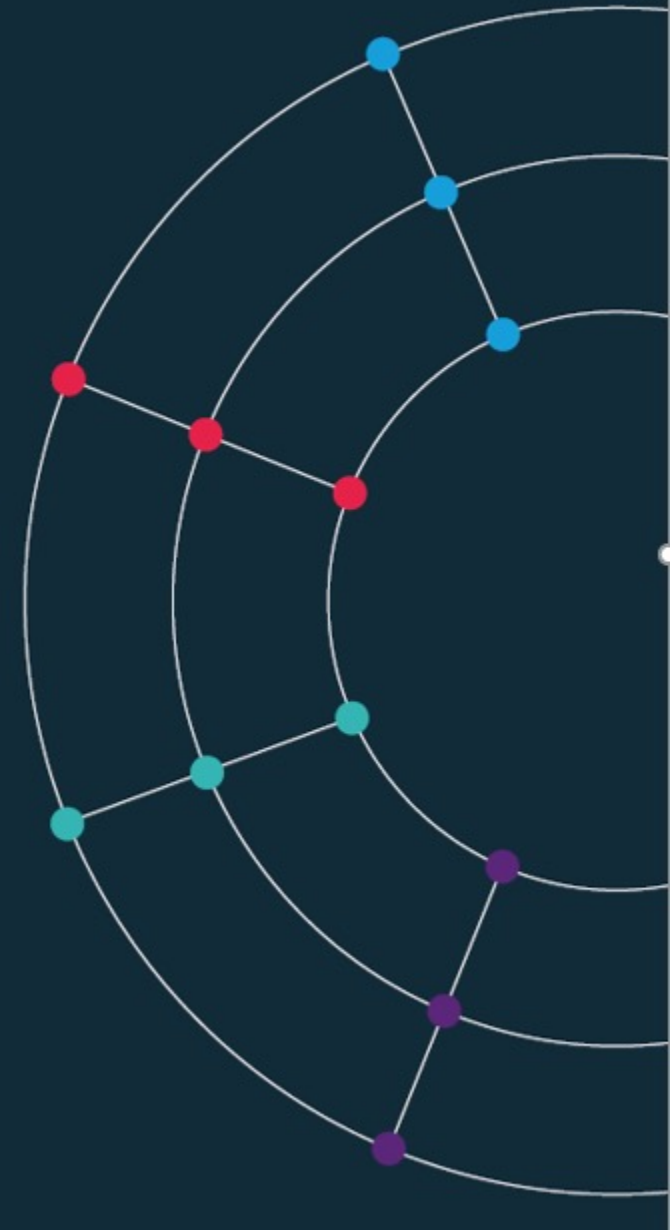


Session 5.

Transforming Data

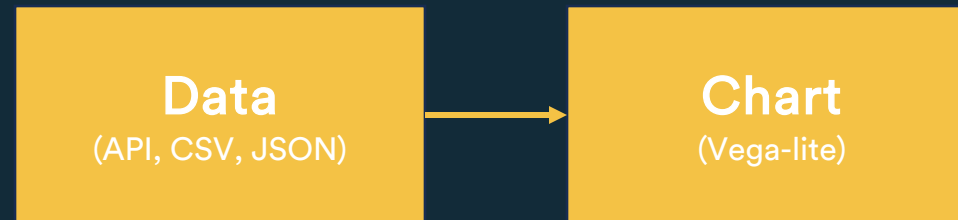
Producing Charts from Multiple Sources (20 minutes)

Guided chart creation (40 minutes)

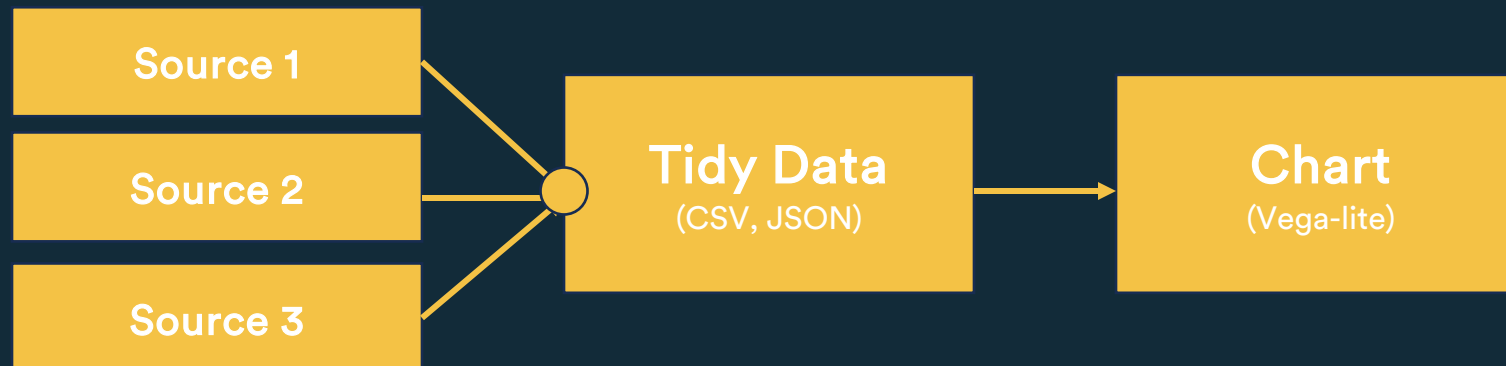


Transforming Data.

Today, we've used data from a single source (**API, CSV, JSON**) to produce charts:

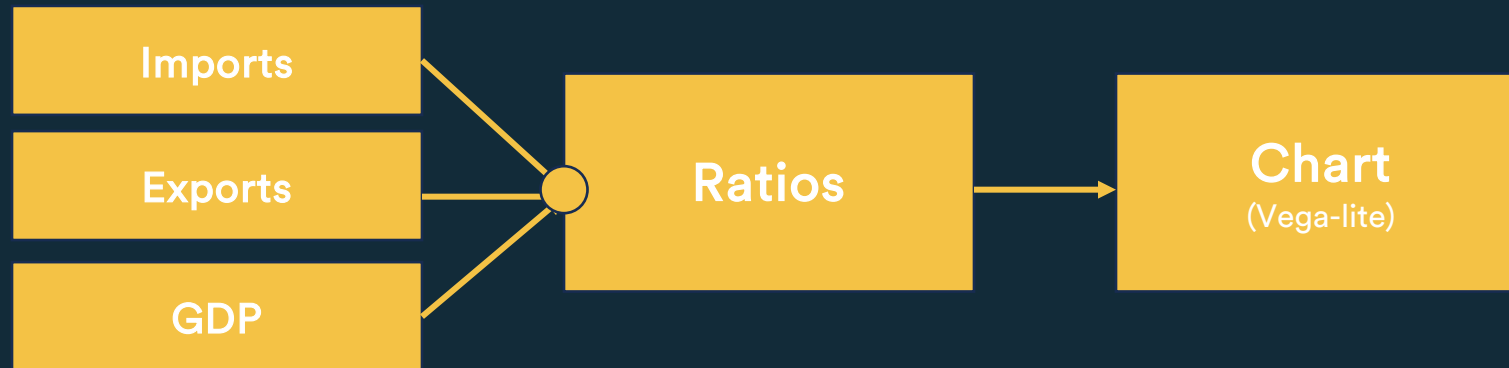


Sometimes we need to merge and transform data from different places:



Transforming Data.

In this session, we'll merge ECO API series to visualise Indian Trade data:



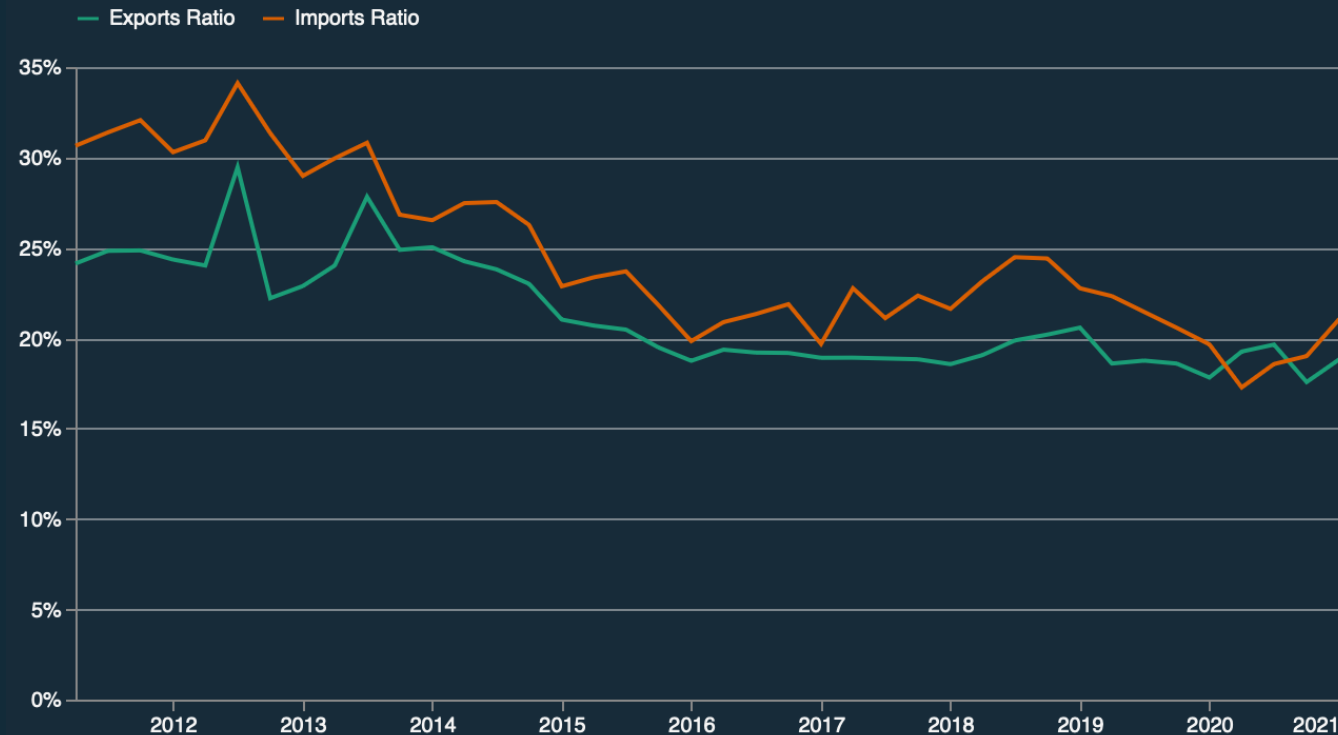
Transforming Data.

In this session, we'll merge ECO API series to visualise Indian Trade data:

Indian Trade

Exports and Imports, % of GDP

Source: ODI via ECO API



Transforming with Python.

Why use Python (or R, Stata, etc) and not just Excel?

- Auditable: allow others to review your process, not just the result
- Reproduceable: use and adapt the same code
- Automatable: save time – just run the same code again
- A rich ecosystem of tools: today we'll use Pandas

Code-along.

Transforming Data

In this practical session, we will use [Python](#) via [Google Colab](#) to fetch, tidy and merge Indian trade data from the Economics Observatory API. There will then be time to make your own charts.

Work through the following guided notebook:

[“s5_transforming_data.ipynb”](#) (open in Google Colab).

