Google Colab



Intro

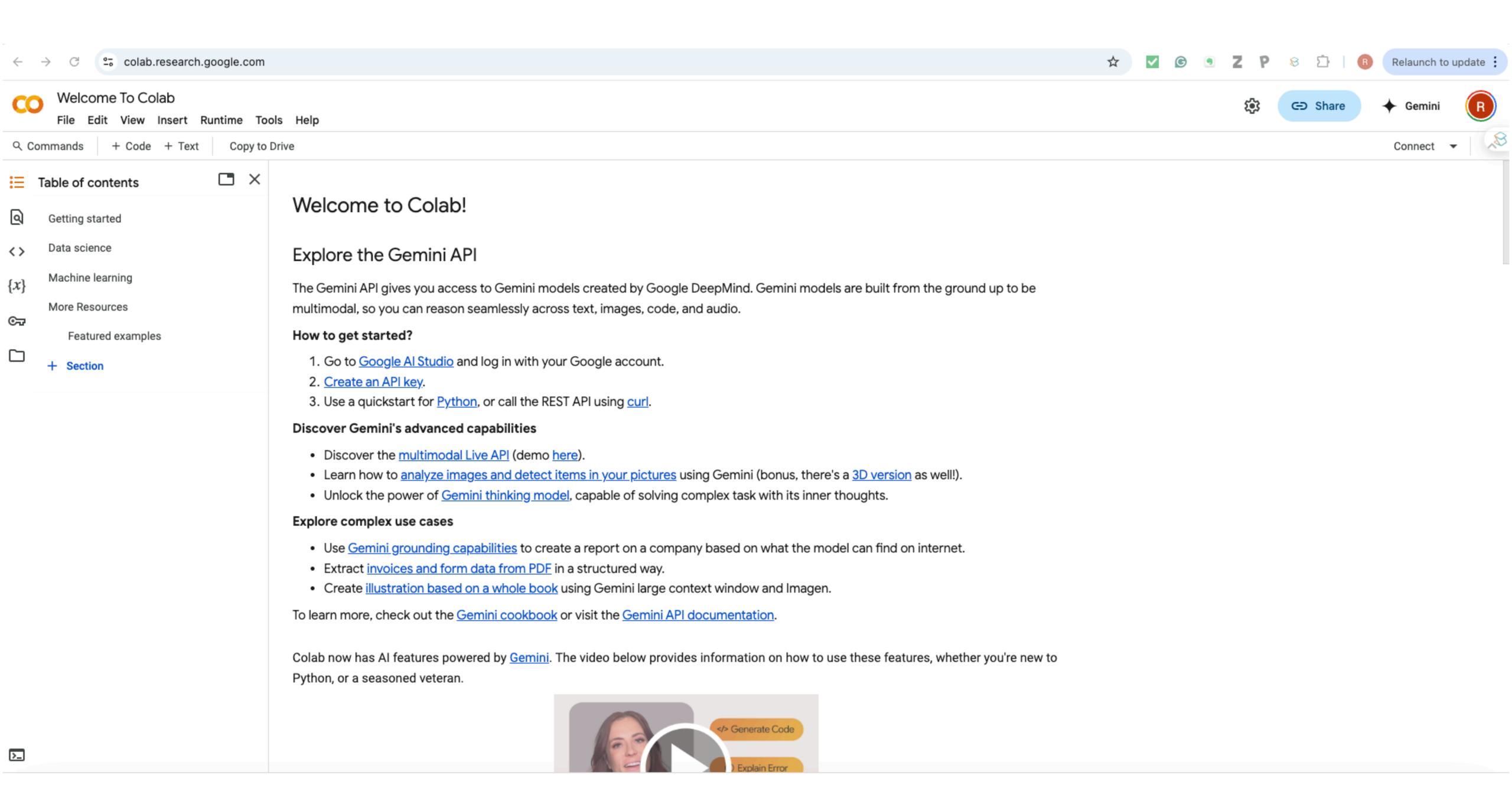
- Google Colab, short for Google Colaboratory, is a cloud-based Jupyter Notebook environment provided by Google for free for small tasks
- It allows users to create, edit, and share Python notebooks without the need to install any software on their local machines (runs bash and R too)
- Colab is designed to facilitate collaboration, making it easy for multiple users to work on a project simultaneously
- It also provides access to powerful, such as GPUs and TPUs, for accelerated computing

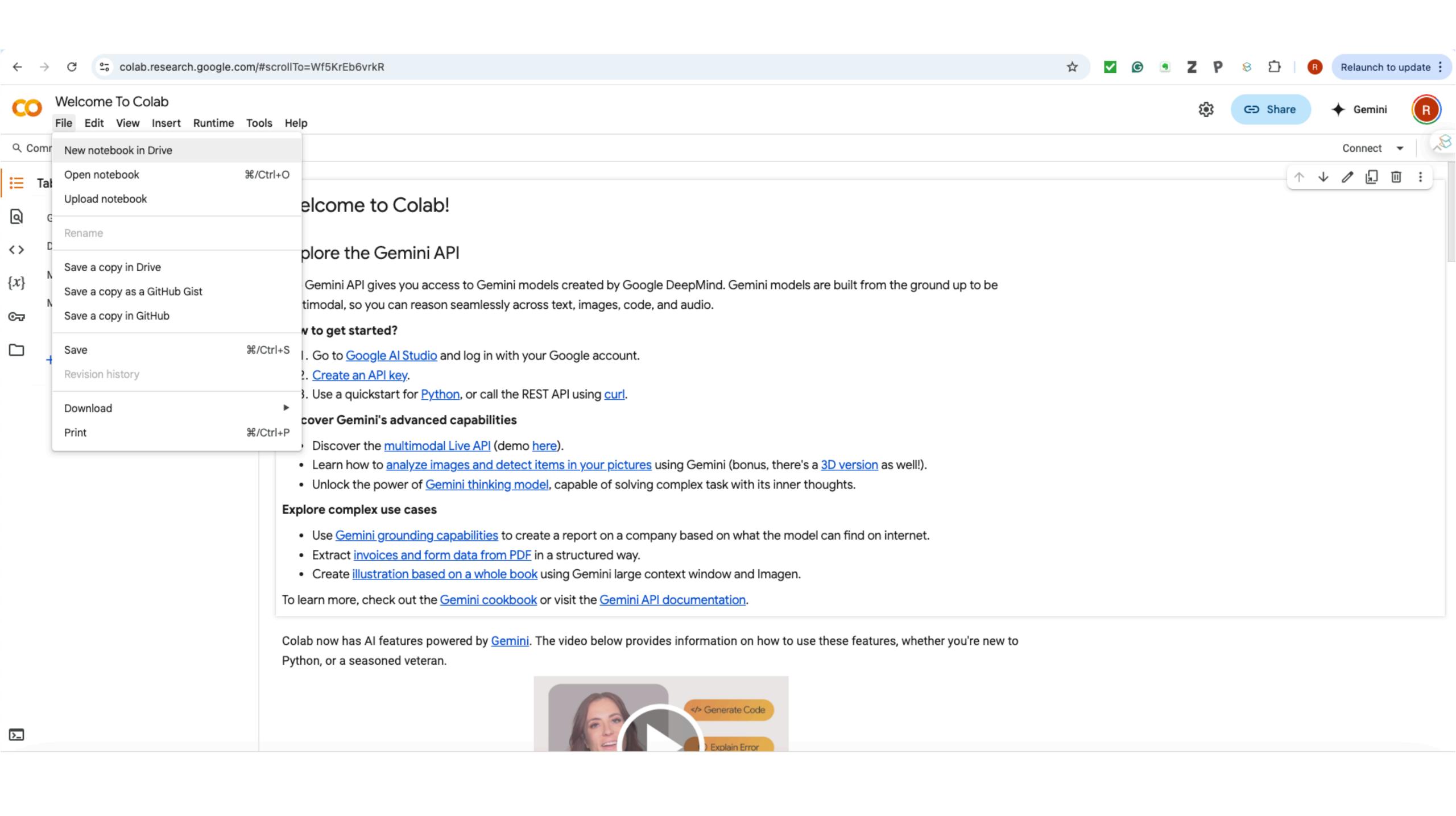
Key Features

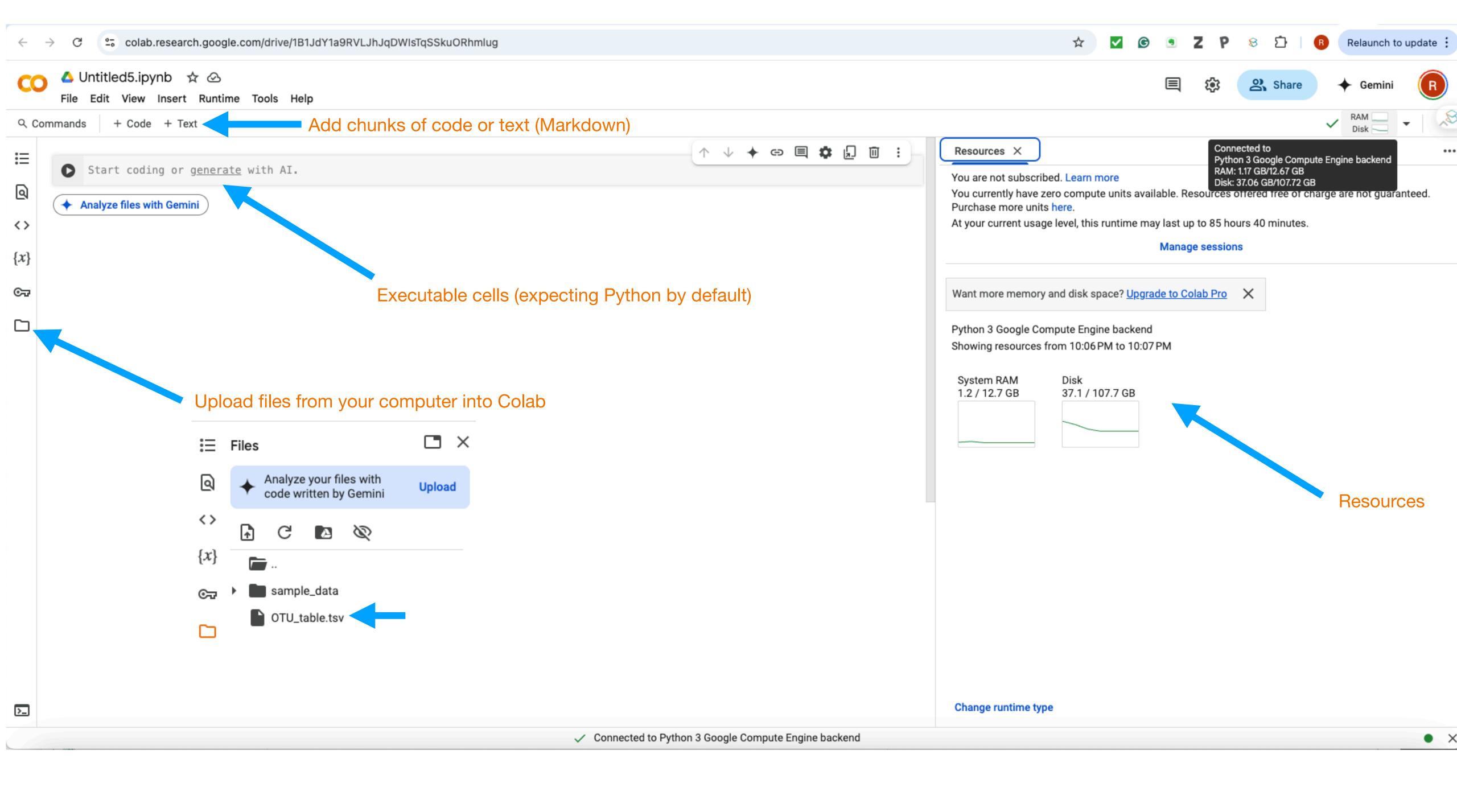
- Real-time collaboration: work with your colleagues simultaneously
- Version control: track changes and revert to previous versions
- Rich text and markdown support: create well-documented notebooks
- Integration with Google Drive: store and share notebooks easily

Getting Started

- Visit https://colab.research.google.com
- Sign in with your Google account
- Create a new Python notebook or open an existing one
- Start coding and running cells

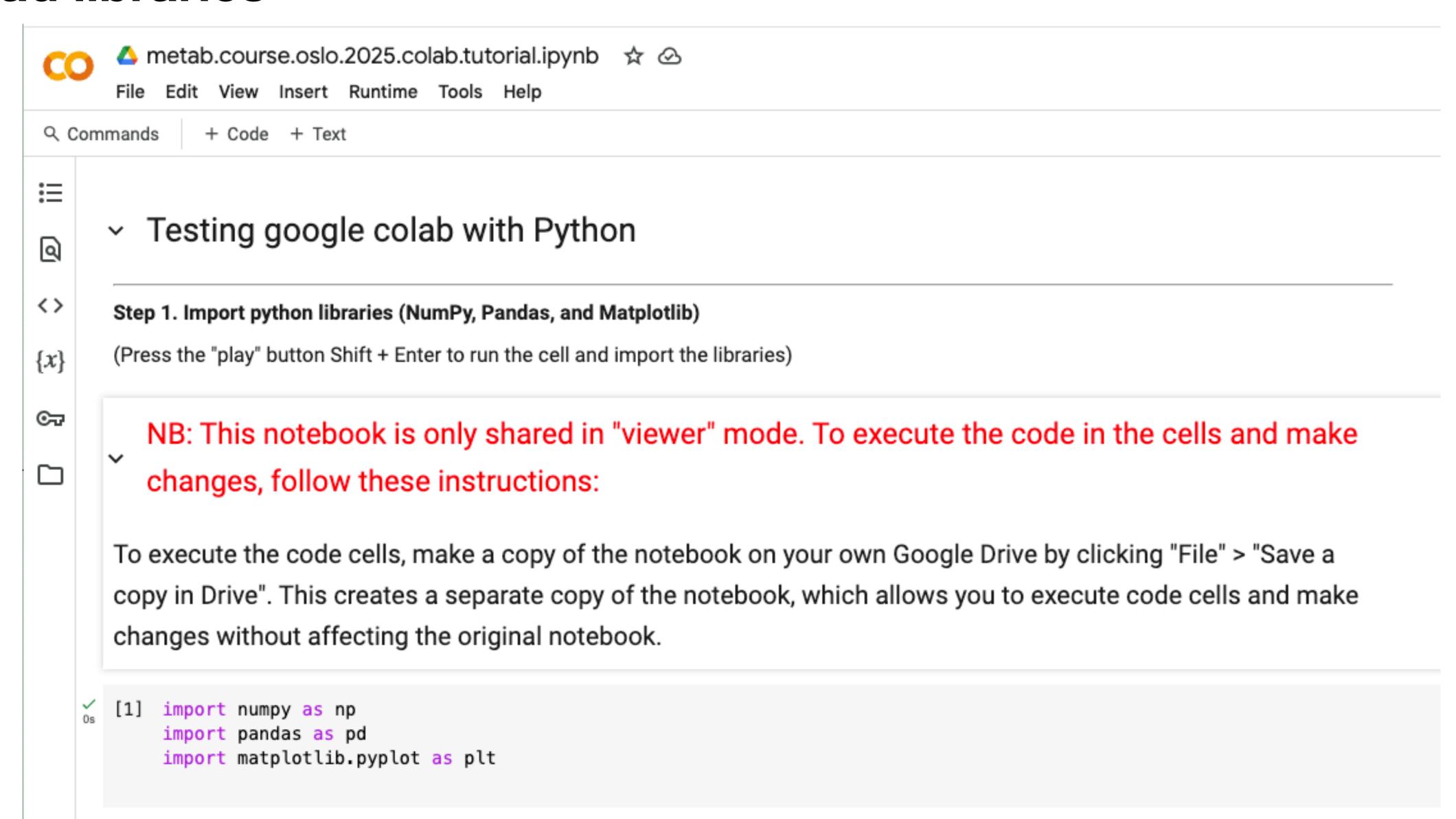




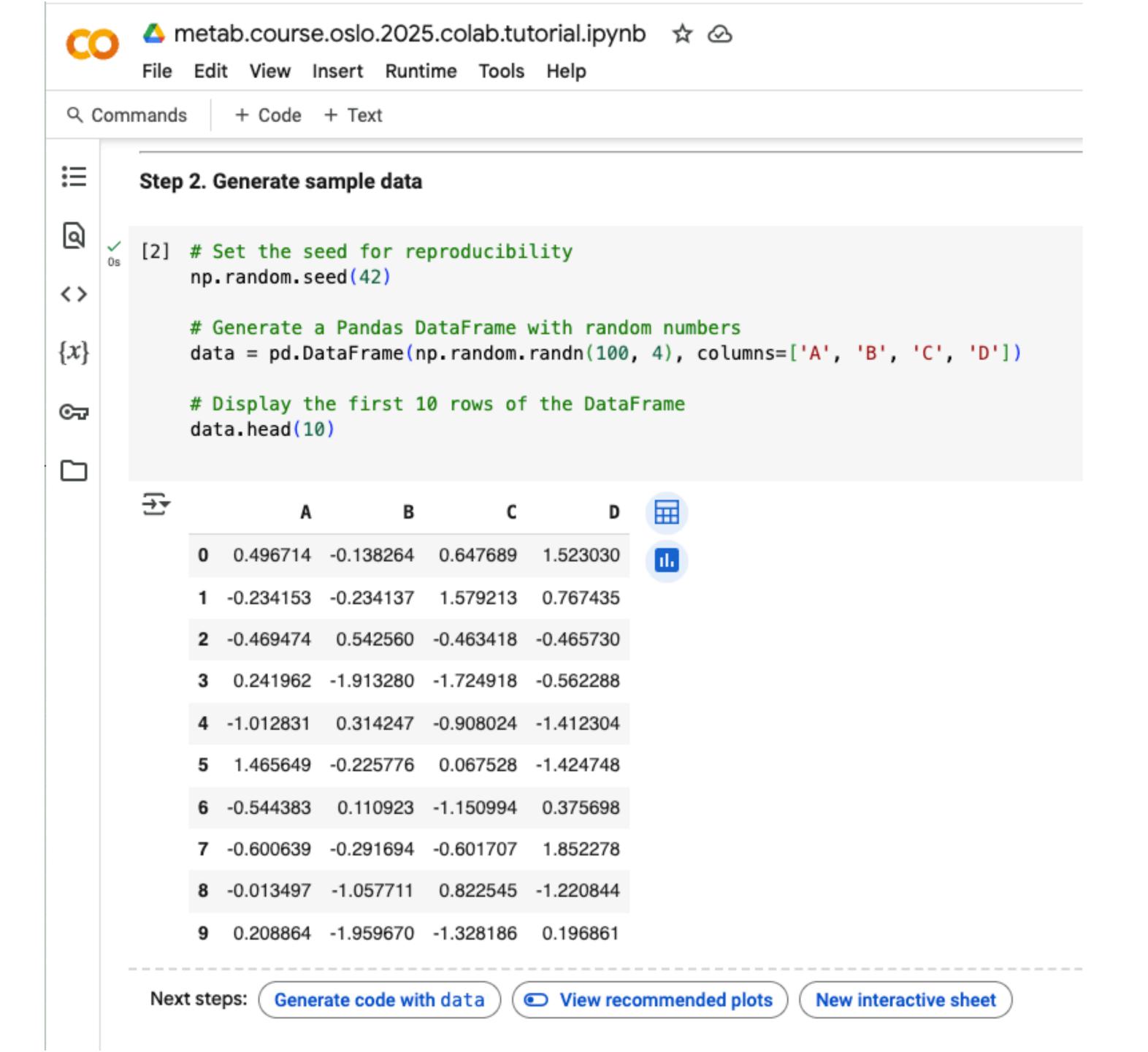


Let's run one example in Python

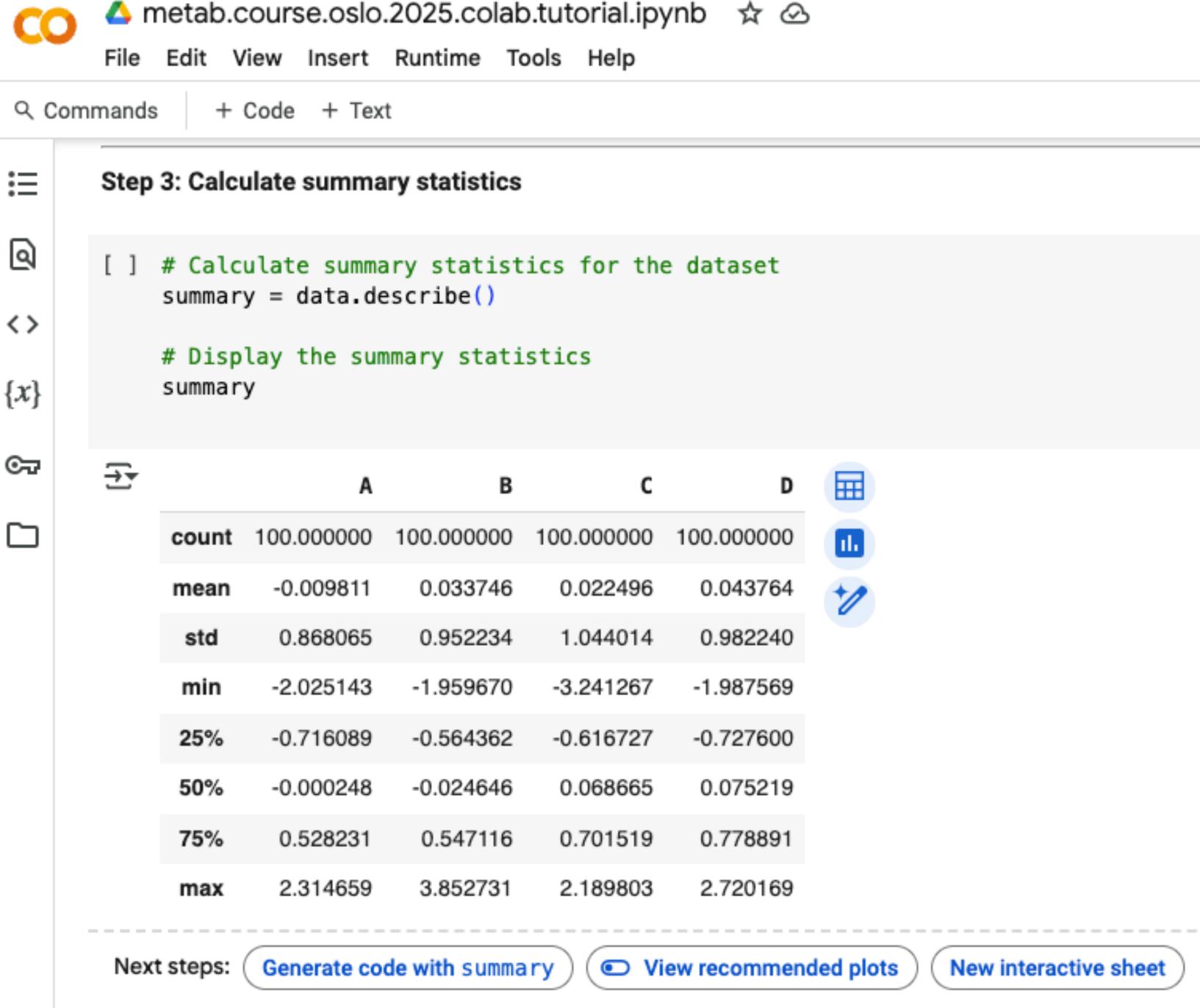
1. Load libraries



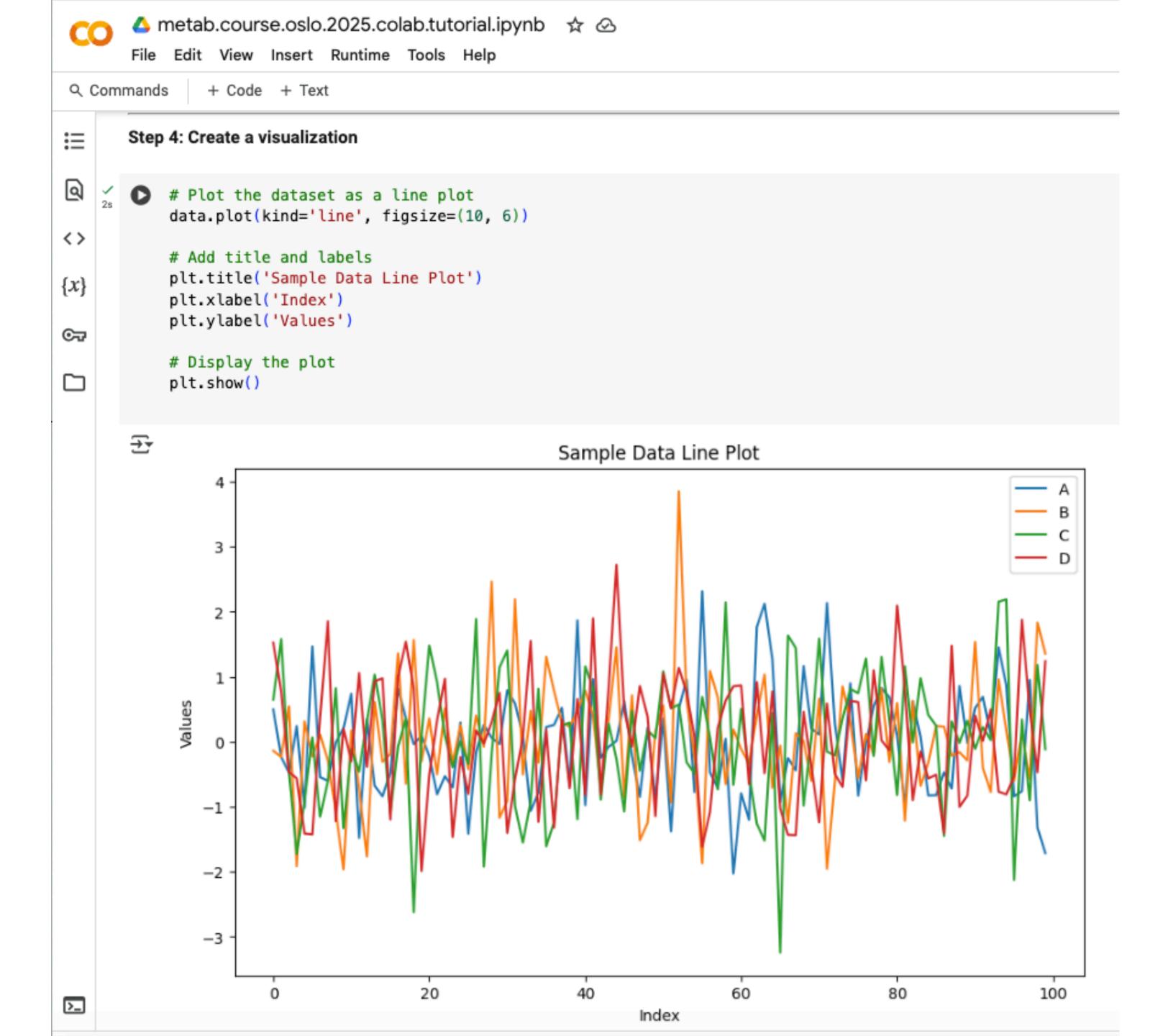
2. Generate random data



3. Summary stats

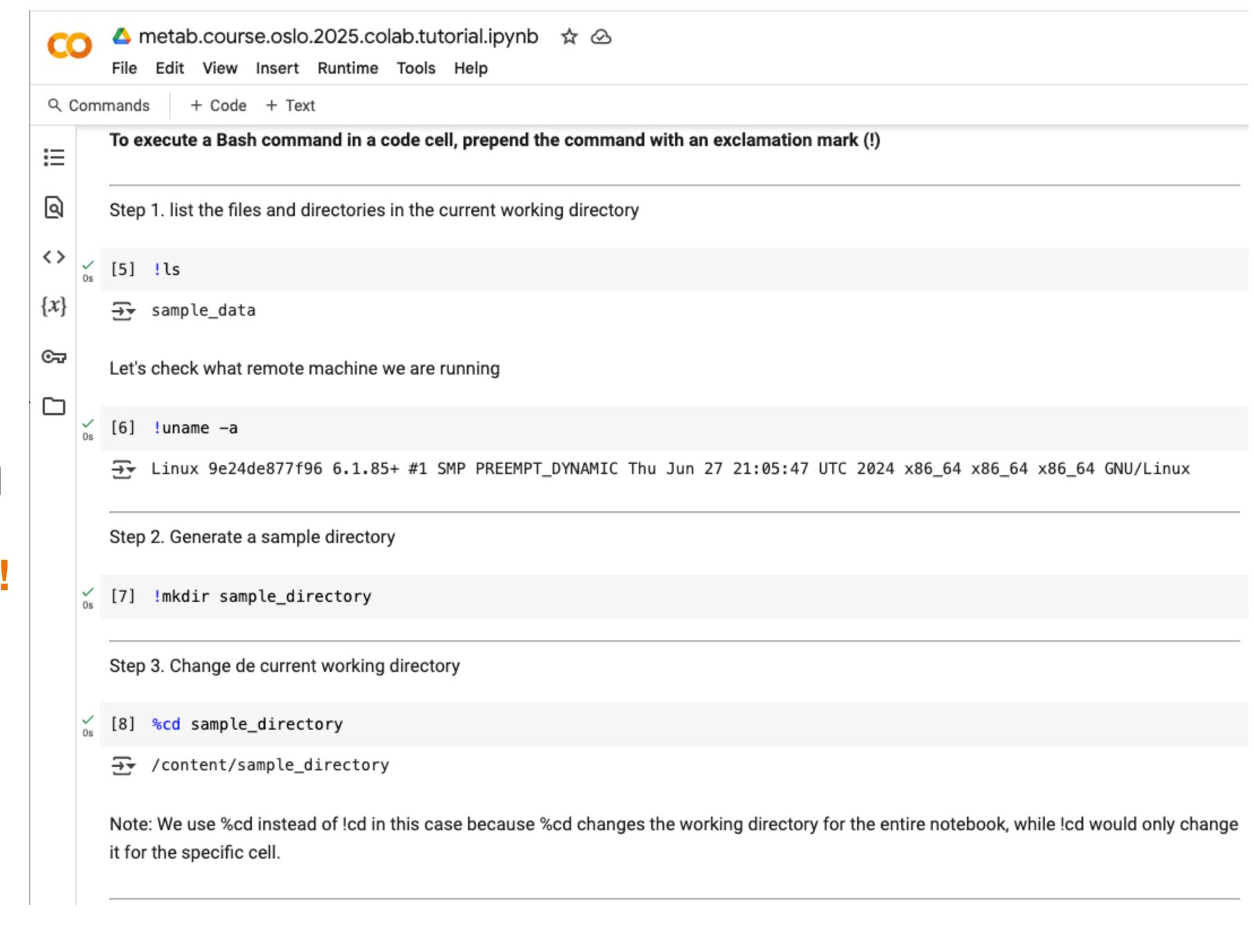


4. Data visualization

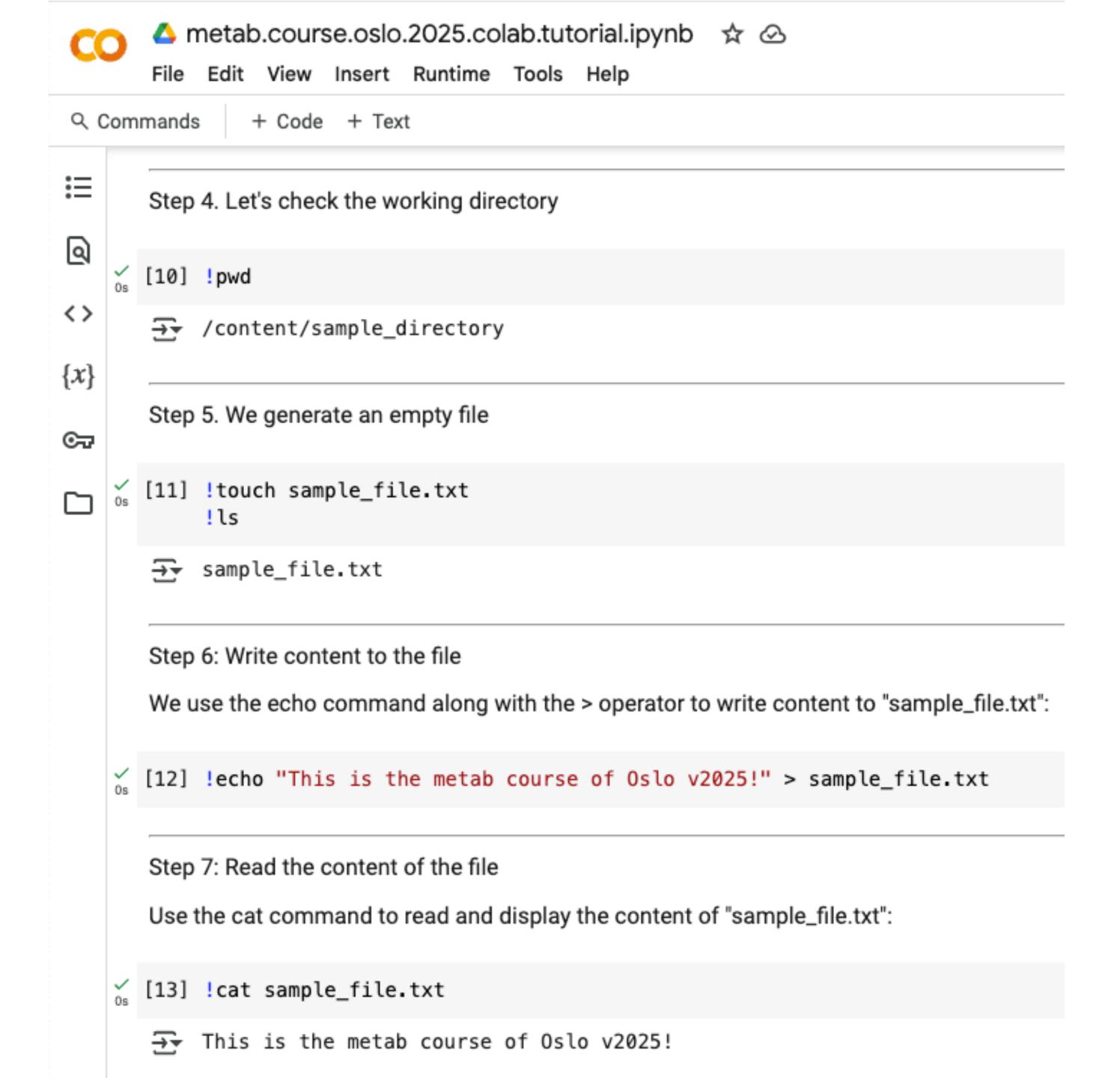


Running Bash

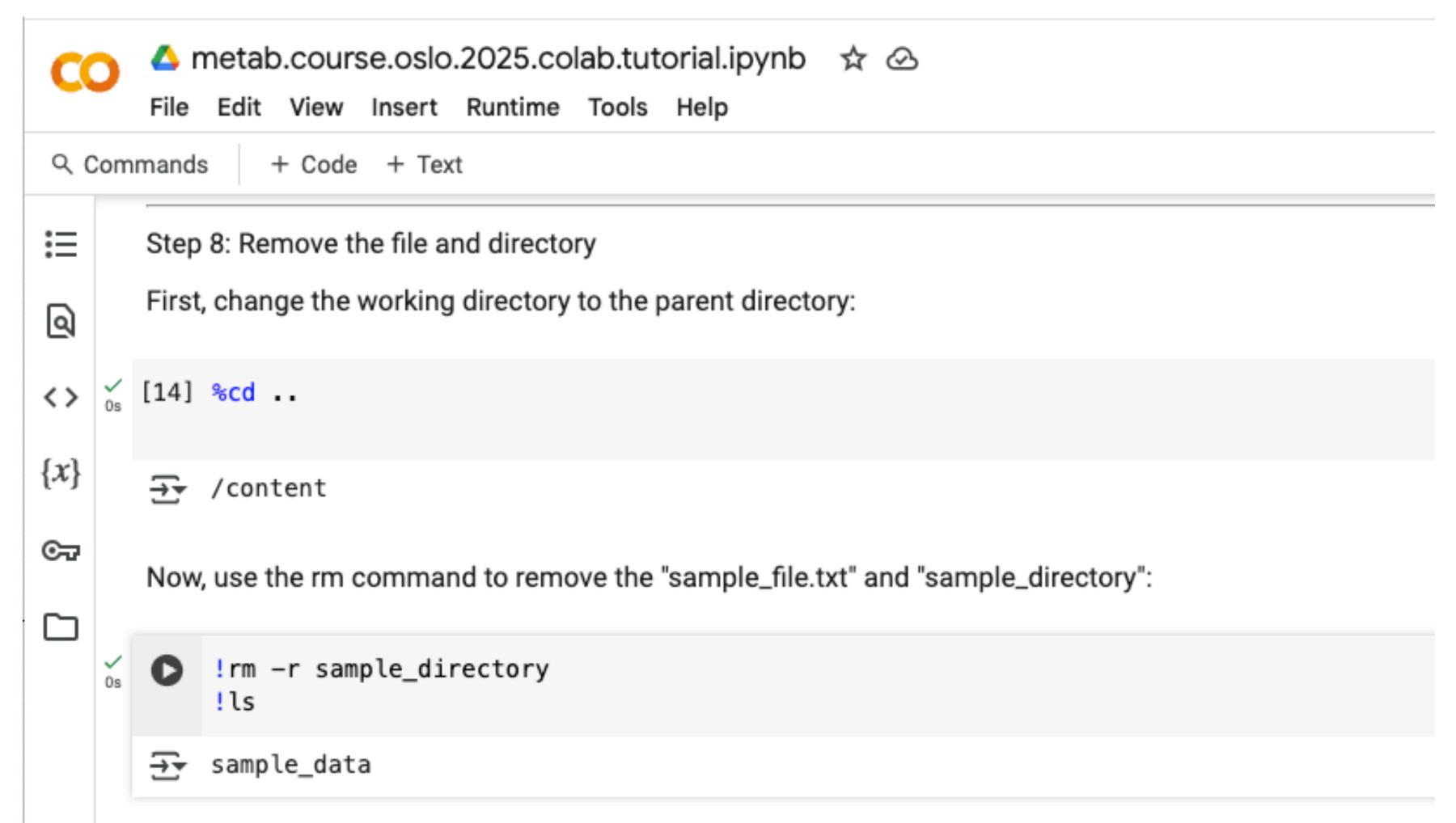
Prepend command with!



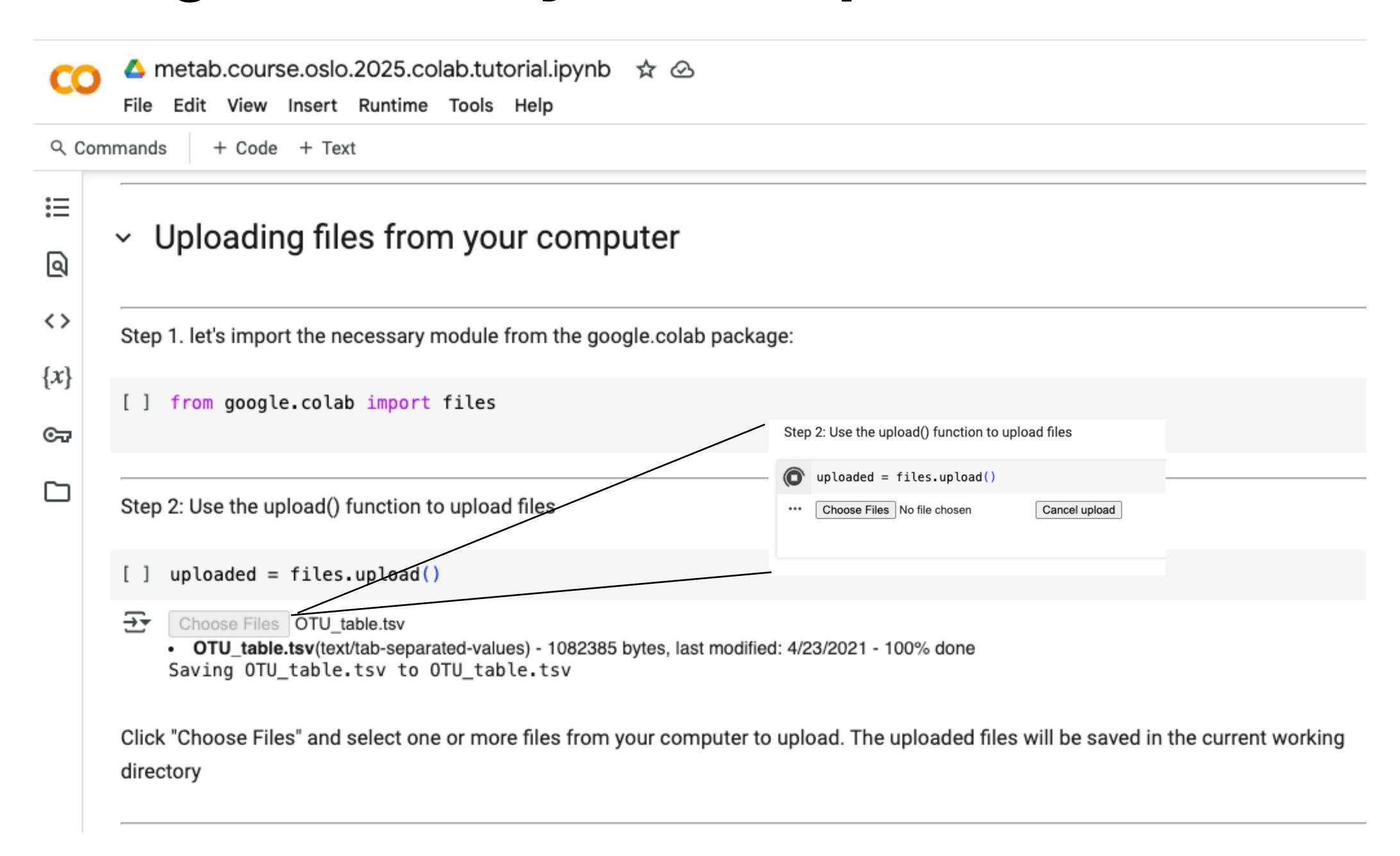
Running Bash



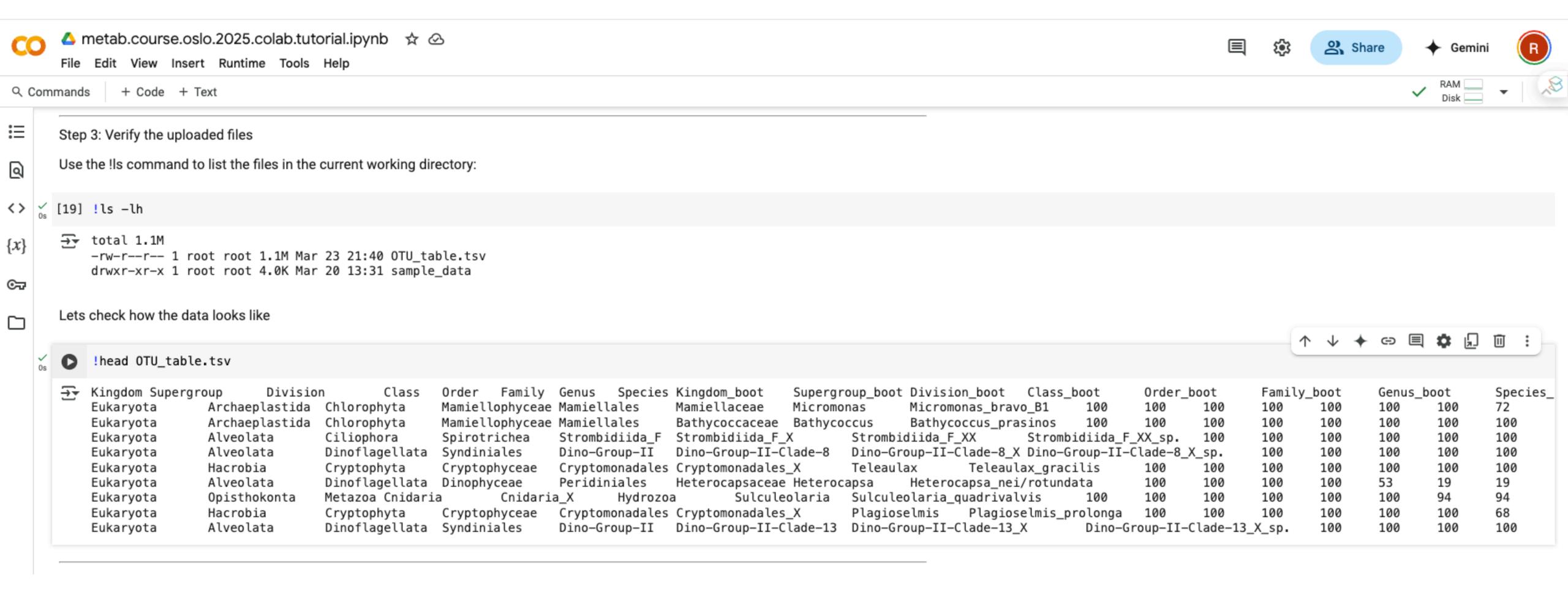
Running Bash



Uploading files from your computer into Colab



Uploading files from your computer into Colab



Tutorial

https://colab.research.google.com/drive/1ilsdx2b--mEQbgQQqfTPBDpvVB4BAQ0L?usp=sharing