

A vibrant green snake with yellow markings, coiled against a black background. The snake's head is in the foreground, looking directly at the viewer, with its body looping behind it. The text is overlaid on the left side of the image.

Pre-Module: Setting Up Your SAS and Python Environments

Setting Up Your SAS and Python Environments



python™

Why This Pre-Module is Essential

- Seamless Learning Experience
- Run All Code Examples
- Choose Your Preferred Setup

START



Python Environment Options

- **Goal:** Flexible, Free Access



pythonTM

Option A: Anaconda & Jupyter Notebooks (Recommended Local)

What It Is: Free, Open-Source Python Distribution



Bundles: Python, Jupyter, Pandas, NumPy, etc.



Why It's Great: Simplified installation, consistent environment, interactive notebooks.



How to Get Started:

- Download Anaconda (anaconda.com/download)
- Install (follow OS instructions)
- Launch Jupyter Notebook (via Anaconda Navigator)

ANACONDA



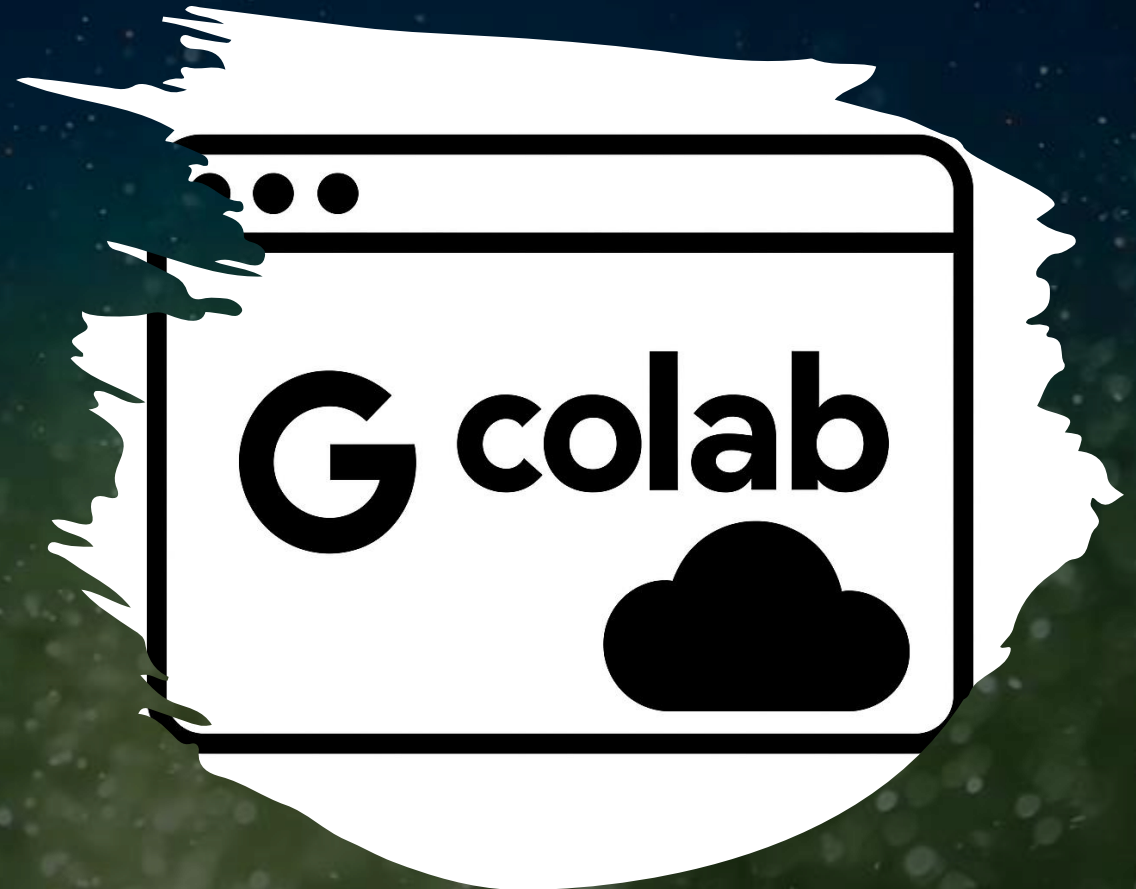
Option B: Google Colaboratory (Recommended Cloud)

What It Is: Free,
Browser-Based
Jupyter Notebook

Why It's Great:
Zero local setup,
accessible
anywhere, Google
account needed.

**How to Get
Started:**

- Go to colab.research.google.com
- Sign In (Google Account)
- Open/Upload Notebooks



SAS Environment Options

- **Goal:** Free Access to SAS
Functionality



Option A: SAS OnDemand for Academics (Highly Recommended)

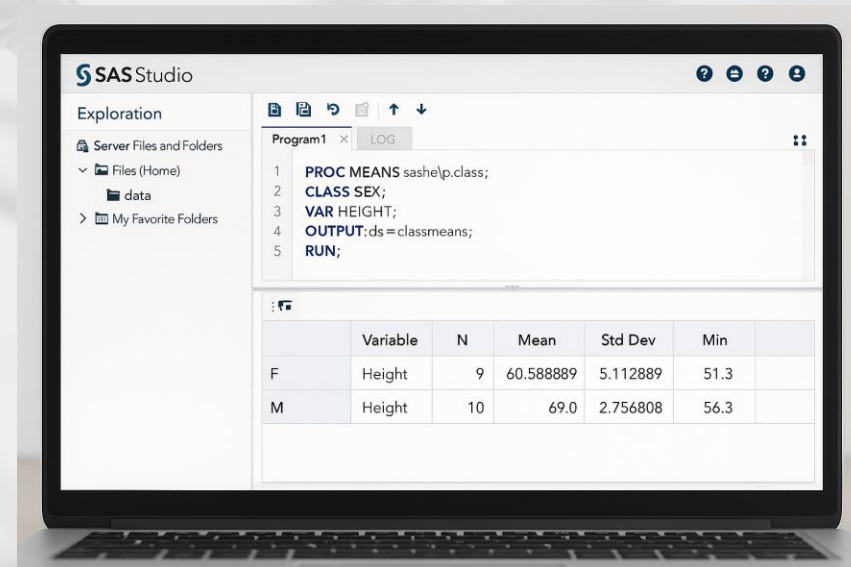
What It Is: Free, Cloud-Based
SAS Studio

Includes: Base SAS, SAS/STAT,
SAS/GRAPH

Why It's Great: Full-featured
SAS, no local install, web
browser access.

How to Get Started:

- Register (SAS OnDemand for Academics website)
- Create SAS Profile
- Launch SAS Studio



Important Notes for All Environments

Internet Connection: Most options require stable internet.

Course Files: All code (.ipynb, .sas) & dummy data (.csv, .xlsx) available for download.

Troubleshooting: Refer to "Troubleshooting Guide" in resources or Q&A.

Your Choice: Pick the best fit for your needs!

You're Ready to Code!

- **Next Steps:** Proceed to Pre-Module 2 to learn about Jupyter Notebooks, then Module 1 to begin your Python journey.

