

# installing\_instructions

## Installing Python3

### 1. Anaconda Navigator

We will install Python3 via Anaconda Navigator.

To install Anaconda Navigator

Go here

<https://docs.anaconda.com/free/anaconda/install>

Select your operating system by clicking one of

- Installing on Windows
- Installing on macOS

Select

"Download the Anaconda installer."

### 2. Create an environment for this course

We will use several Python packages.

We will bundle these into something called an "environment".

Using **Anaconda Navigator**:

- Select "Environment" (on the left panel)
- Select "Create"
- Name the environment `statmech_2025`
- Use the default python version

When the environment has been created

- Click the "play" button  
(looks like a solid / filled right pointing arrowhead)
- Select "Open Terminal"
- When the terminal pops up, type the following commands one-by-one.

```
conda install numpy
conda install scipy
```

```
conda install matplotlib
conda install sympy
conda install pandas
```

Each `conda install` line may prompt you for a response. Answer `y` to all questions.

Or **from the terminal** type directly:

```
conda create --statmech_2025 python=3.9
conda activate statmech_2025
conda install numpy scipy matplotlib sympy pandas
```

To exit the environment type: `conda deactivate`

### 3. Install Anaconda applications

- Within Anaconda Navigator select "Home" (on the left panel)
- In the bar at the top, make sure it says "All applications" on "statmech\_2025"
- Find the JupyterLab application, select "Install"

### 4. Download/open files and start Jupyter Notebook

Either download the data from the github repository ([here's the link](#)) or copy it from the pen drive. Then follow these instructions:

#### 1. Activate Your Conda Environment (if using Conda)

If you're using Conda, first activate the environment where Jupyter is installed:

```
conda activate my_env
```

Replace `my_env` with your environment name.

#### 2. Launch Jupyter Notebook

Once in the correct environment, start Jupyter Notebook by running:

```
jupyter notebook
```

This will open a Jupyter interface in your default web browser.

## Using Anaconda Navigator

1. Open **Anaconda Navigator** (search for it in the Windows Start Menu).
2. Click "**Launch**" under Jupyter Notebook.

## Using Command Prompt or PowerShell (better for MacOS users)

1. Open **Command Prompt (cmd)** or **PowerShell** (Win + R, type `cmd` or `powershell`, and hit Enter).
2. Navigate to your desired working directory:

```
cd path\to\your\folder
```

3. Run:

```
jupyter notebook
```

## Using Windows Start Menu

If Jupyter Notebook is installed system-wide, you can also search for "**Jupyter Notebook**" in the Windows Start Menu and open it directly.