# Conda Practical Exercises

## Exercise 1: Setting Up Conda

**Task:** Install Miniconda or Anaconda on your system.

**Task:** Verify the installation

conda –version

**Task:** Update Conda to the latest version

conda update conda

## Exercise 2: Creating and Activating an Environment

**Task:** Create a new environment named data\_science with Python 3.8

conda create --name data\_science python=3.8

**Task:** Activate the data\_science environment

conda activate data\_science

**Task:** Deactivate the environment.

conda deactivate

## Exercise 3: Installing and Managing Packages

**Task:** Install the following packages in your data\_science environment: NumPy, Pandas, and Matplotlib.

conda install numpy pandas matplotlib

**Task:** Update the Pandas package to the latest version

conda update pandas

**Task:** Remove the Matplotlib package

conda remove matplotlib

## Exercise 4: Exporting and Sharing Environments

**Task:** Export your data\_science environment to a YAML file named data\_science\_env.yml.

conda env export > data\_science\_env.yml

**Task:** Create a new environment from the exported YAML file

conda env create -f data\_science\_env.yml