

# Installing Python Packages

# What is a Conda Environment?

- A directory that contains a specific collection of conda packages that you have installed.
- Allows you to have a set of programs that work together and to separate programs that have conflicts

# Creating a Conda Environment

- After installing Miniconda, open a terminal.
- Type in: `conda create --name jupyter`
- Follow the prompts.

# Activating Conda Environments

- Now that you have created you conda environment, you need to activate it to install all the programs we need within the environment.
- Type in: `conda activate jupyter`

# Installing programs in a Conda Environment

- You must be in your activated environment
- The programs we will install are:
  - Jupyter Lab (Jupyter Notebook)
  - Pandas
  - Numpy
  - Seaborn
  - Matplotlib
  - Statsmodels
  - scikit\_posthocs
  - Itertools
  - statannotations

# Installing Jupyter Lab

- `conda install -c conda-forge jupyterlab`
- Follow the prompts.
- Once it is done installing, check that jupyter notebook is installed:
- Type in: `jupyter notebook`
- This should open a window in your browser with a file system
- To return to the command prompt, shut down jupyter notebook by pressing CTRL-Z until the command prompt returns to your terminal.

# Installing Pandas

- Type in: `conda install pandas`
- Follow the prompts.

# Install Numpy

- Type in: `conda install -c anaconda numpy`
- Follow the prompts.



# Install Seaborn

- Type in: `conda install -c anaconda seaborn`
- Follow the prompts.

# Install Matplotlib

- Type in: `conda install -c conda-forge matplotlib`
- Follow the prompts.

# Install statsmodels

- Type in: `conda install -c conda-forge statsmodels`
- Follow the prompts.

# Install scikit\_posthocs

- Type in: `conda install -c conda-forge scikit-posthocs`
- Follow the prompts.

# Install itertools

- Type in: `conda install -c conda-forge more-itertools`
- Follow the prompts.

# Install statannotations

- Type in: `conda install -c conda-forge statannotations`
- Follow the prompts.

Congratulations! You have all the python packages we will use for the workshops.