

# Data Science Environment Setup Workshop



# Installing Anaconda

- <https://www.anaconda.com/distribution/#download-section>
- (Download Python 3.7 version)
- If you have Linux, once you download the .sh file, locate it in your directory and run the command `chmod u+x` to make the file executable. Then, execute it with: `./filename`

# Creating Virtual Environment

- `conda create -n dsenv python=3.7 anaconda`
- `conda activate dsenv → (dsenv) adi@vella-MACH-WX9:~$`

# TensorFlow, Keras, Tqdm

- **TensorFlow:**
  - `conda install -c conda-forge tensorflow`
- **Keras:**
  - `conda install -c anaconda keras`
- **Tqdm:**
  - `conda install -c conda-forge tqdm`

# Test Python Install

```
$ python
```

```
>>> import tensorflow as tf
```

```
>>> import keras
```

```
>>> import numpy as np
```

```
>>> import matplotlib
```

```
>>> import tqdm
```

# R, RStudio Install and Test

- Download and Install R:  
<http://archive.linux.duke.edu/cran/>
- Download and Install RStudio:  
<https://www.rstudio.com/products/rstudio/download/#download>

# Further References

- <https://towardsdatascience.com/installing-keras-tensorflow-using-anaconda-for-machine-learning-44ab28ff39cb>