# ODSC Conference April, 2022

## Tutorial setup instructions:

You can run the tutorial notebook either:

Option #1. Run the .ipynb as a Colab. This is easiest but the tutorial will run more slowly.

Option #2. Run the .ipynb in your own local development environment that you need to create yourself. You'll also need to download from github this .ipynb.

**Option #1. Run tutorial from Colab**

Click
https://colab.research.google.com/github/christy/AnyscaleDemos/blob/main/rllib_demos/ODSC_conference/tutorial_notebook.ipynb

**Option #2. Conda install RLlib environment for tutorial (more setup steps but tutorial runs quicker)**

**1. Install Conda if needed**

https://www.anaconda.com/products/individual
$ conda env list # list conda envs

**2. Create conda env and install the libraries below**

```
$ conda create -yn rllib_tutorial python=3.9
$ conda activate rllib_tutorial
$ pip install jupyterlab "ray[rllib,serve,tune]" sklearn
$ conda install -y tensorflow  # either version works!
$ pip install recsim torch gputil  # any latest version works!
$ pip install "ray[default]"  # updates ray dashboard

# Win10 only  - required extra step
$ pip install pywin32  # <- Win10 only

# Mac - see possible extra install notes below

# Now run the tutorial notebook locally
$ git clone https://github.com/christy/AnyscaleDemos
$ cd rllib_demos/ODSC_conference
$ jupyter-lab
```

**Mac only - potential extra steps**

$ conda install grpcio

In case you are getting a "requires TensorFlow version >= 2.8" error at some point in the notebook, try the following:
$ pip uninstall -y tensorflow
$ python -m pip install tensorflow-macos --no-cache-dir