

ODSC Conference April, 2022

Tutorial setup instructions:

You can run the tutorial notebook either:

Option #1. As a Colab (all the software dependencies installed for you but runs more slowly).

Option #2. From your own local development environment that you need to create yourself.

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 reccsim 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
```