

Setup Instructions for Survival Analysis Masterclass

To fully participate in the hands-on portion of the Survival Analysis Masterclass, please follow these setup steps.

1. Install Anaconda

If you haven't already, download and install Anaconda from:

<https://www.anaconda.com/products/distribution>

2. Create a New Virtual Environment

Open your Anaconda Prompt and run the following commands:

```
conda create -n surv_class python=3.9  
conda activate surv_class
```

3. Install Required Libraries

With the environment activated, install the required packages:

```
pip install jupyter  
pip install scikit-learn  
pip install numpy matplotlib pandas seaborn scikit-survival  
pip install pandasgui  
pip install pycox torchtuples  
pip install lifelines
```

4. Install PyTorch

Visit <https://pytorch.org/get-started/locally/> and follow the installation instructions for your system.

For example, the command I ran for my Windows machine is:

```
pip3 install torch torchvision torchaudio --index-url  
https://download.pytorch.org/whl/
```

5. Verify Setup

Download the setup verification notebook (survival_setup_check.ipynb) and run it in Jupyter to confirm that everything is working.

You can find it here: <https://github.com/syedahmar/AI4Health-SurvivalAnalysis>