

Week 1

Amazon Web Service, and Github

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Setup AWS

- ▶ see github page:
<https://github.com/joshuawlbright/STA695> to get started at setting up your AWS account.
- ▶ Login to AWS account > EC2 Dashboard; Launch Instance
- ▶ Deep Learning AMI (Ubuntu) [Free Tier Eligible]
- ▶ t2.micro [Free Tier Eligible] > Review and Launch
- ▶ Launch > Create New Key Pair > "insert name"
- ▶ Download Key Pair > Launch Instances

Examples

Youtube video here may be helpful: [CLICK HERE](#)

Connect to AWS Instance

- ▶ Windows: Need to download: `putty.exe` and `puttygen.exe`
from: <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>
- ▶ Mac/Linux: Use Terminal

Examples

Connect to AWS Instance: Locate .pem file or .ppk file

- ▶ Windows: Locate .pem file. Load with puttygen.exe and save as .ppk file.
- ▶ Mac/Linux: Use Terminal to connect and use .pem file

Linux and Mac:

```
ssh -i /path_to_key/my_key.pem user_name@public_dns_name
```

Windows: Use Putty > paste public_dns in Host Name > Under Connections SSH Auth locate .ppk file

Setup iPython and Jupyter Notebook

- ▶ Follow these instructions: [CLICK HERE](#)

Github: Initial Setup

- ▶ "git config -- *global* user.name "Josh Lambert""
- ▶ "git config -- *global* user.email joshua.lambert@uky.edu"
- ▶ "git clone https://github.com/joshuaw Lambert/STA695 STA695"
- ▶ Git Tutorial for Beginners: Command-Line Fundamentals: [CLICK HERE](#)

Github: Add Files to Github

- ▶ Add file from Notebook to STA695.
"cp /Notebook/Test.ipynb /STA695/Week 1/Test.ipynb"
- ▶ Pull Files incase of changes
"git pull origin master"
- ▶ Add items to staging area
"git add -A"
- ▶ Check status
"git status"
- ▶ Commit files to Github
"git commit -m "Test File!"
- ▶ Push files to Github
"git push origin master"

Examples

Git Tutorial for Beginners: Command-Line Fundamentals: [CLICK HERE](#)