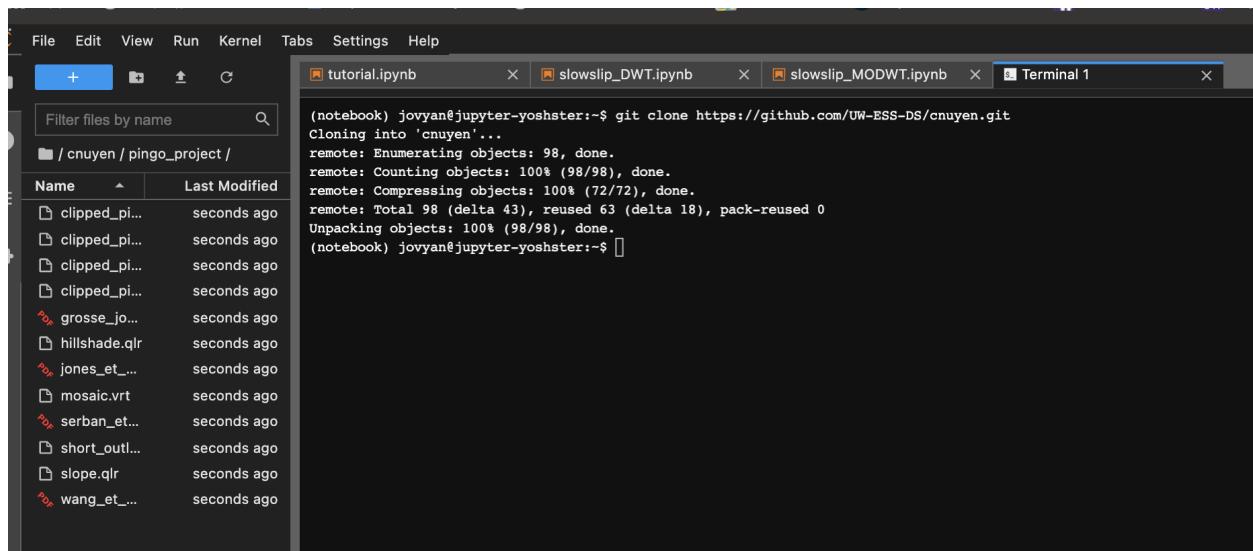


**Title:** Automatic detection of pingo landforms with machine learning

**Team Members:**

Carolyn Nuyen – Collect elevation data and pingo shape files, design/construct machine learning framework, and possibly run code on AWS.

Craig Dittmann – Create zonal statistics and geospatial masks for defined study area.  
Interested in correlating this information with Lidar point clouds to see if there is overlap.



The screenshot shows a Jupyter Notebook interface with a file browser on the left and a terminal window on the right.

**File Browser:**

- File Edit View Run Kernel Tabs Settings Help
- + ☐ ↕ C
- Filter files by name
- / cnuyen / pingo\_project /
- Name Last Modified
- clipped\_pi... seconds ago
- gross... seconds ago
- hillshade.qlr seconds ago
- jones\_et\_... seconds ago
- mosaic.vrt seconds ago
- serban\_et... seconds ago
- short\_outl... seconds ago
- slope.qlr seconds ago
- wang\_et\_... seconds ago

**Terminal Window:**

```
(notebook) jovyan@jupyter-yoshster:~$ git clone https://github.com/UW-ESS-DS/cnuyen.git
Cloning into 'cnuyen'...
remote: Enumerating objects: 98, done.
remote: Counting objects: 100% (98/98), done.
remote: Compressing objects: 100% (72/72), done.
remote: Total 98 (delta 43), reused 63 (delta 18), pack-reused 0
Unpacking objects: 100% (98/98), done.
(notebook) jovyan@jupyter-yoshster:~$
```

