

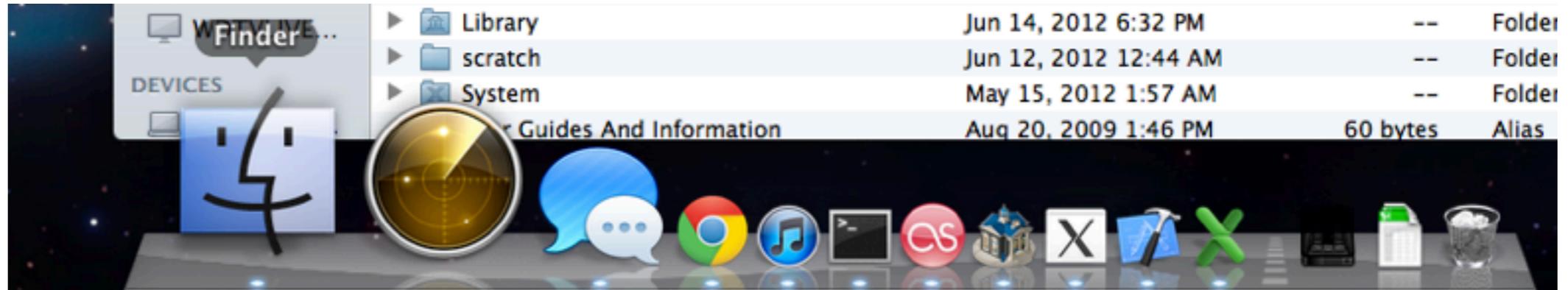
ECOL 553L

Class 2

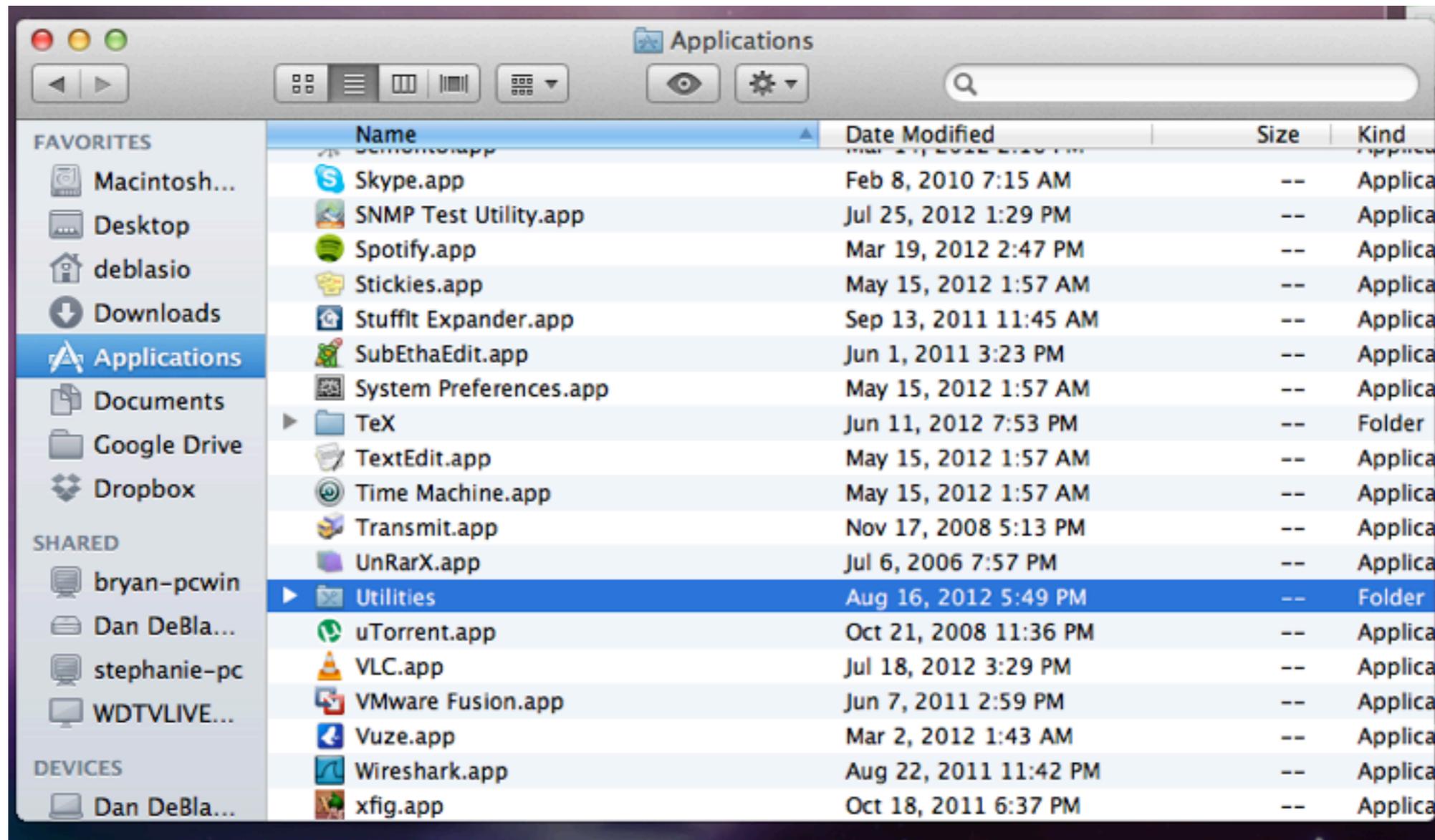
To talk about today

- HPC Accounts
 - do you have one yet?
 - does it work?
- Super Excel
- Resources
- Editors

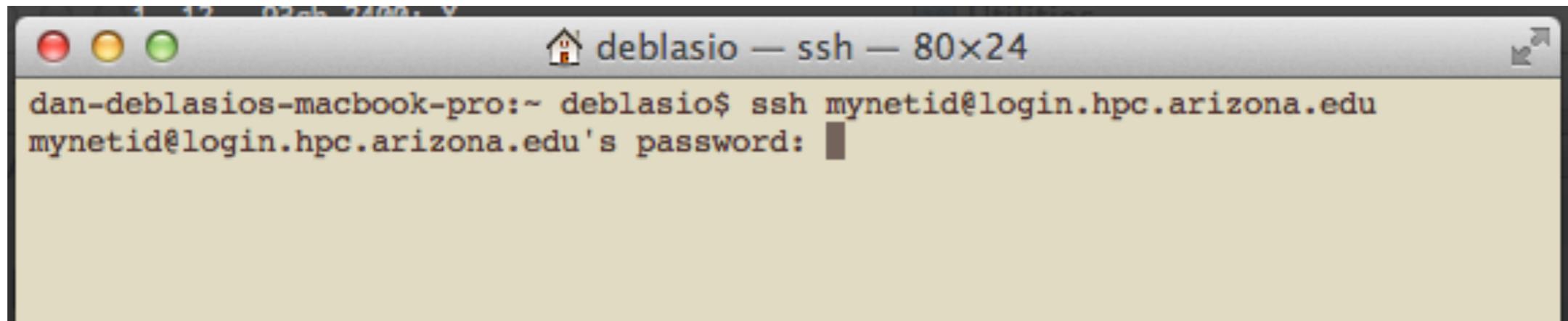
Open a Terminal



Open a Terminal



SSH into the HPC

A screenshot of a macOS terminal window. The title bar shows a home icon, the text 'deblasio — ssh — 80x24', and a close button. The terminal content shows a user named 'deblasio' on a machine named 'dan-deblasios-macbook-pro' at the home directory (~) typing the command 'ssh mynetid@login.hpc.arizona.edu'. The next line shows the prompt 'mynetid@login.hpc.arizona.edu's password:' followed by a solid black square representing a password character.

```
dan-deblasios-macbook-pro:~ deblasio$ ssh mynetid@login.hpc.arizona.edu
mynetid@login.hpc.arizona.edu's password: █
```

“Super” Excel

- Have you ever used Excel for your research?
- Have you ever use a calculator WHILE using Excel?
- What are some functions you think you can preform within Excel?

Simple Functions

- SUM()
- MEAN()
- STDEV()
- CONFIDENCE(alpha,standard_dev,size)
 - alpha is the confidence interval size, i.e. if you want the 95% confidence interval alpha = 0.05

Conditionals

- IF(condition, true, false)
- COUNTIF(range,condition)
- SUMIF(range,condition,[sum range])

Text Manipulation

- FIND(search, context, [start location])
 - finds the location of the search within the text in cell “context”
- MID(context, start, length)
 - trims the text in the cell “context” starting at character “start” for “length” characters

How do you edit text files?

- Whats the difference between Word and NotePad?

**What resources are
available to**