

Unix Shell Homework

```
$ echo "Data Sciences Institute"  
$ echo "by: Rachael Lam"
```

Expectations

The goal of this homework is not to grade the competency of what was learned, but to give students an opportunity to practice. This will help students remember the content and prepare for the next class.

Because each class builds upon the last, it's important to review the content, as time is too limited for a full in-class review.

Day 1

To Review:

Please practice the following commands. You can upload different datasets relevant to your work to play with.

1. current directory `pwd`
2. set working directory `cd`
3. list contents of working directory `ls`
4. create directory `mkdir`
5. create file `touch`
6. copy `cp`
7. move and rename `mv`
8. remove `rm`

- 9. concatenate `cat`
- 10. extract columns from output `cut`
- 11. sort lines of text `sort`
- 12. report or omit repeated lines `uniq`
- 13. print lines matching a pattern `grep`
- 14. search directories and subdirectories for files `find`
- 15. output the first part of a file `head`
- 16. output the last part of a file `tail`

Day 2

To Review:

1. Play around with the commands we learned last week using:
 - `-options`
 - Wildcards
 - Expansions
 - Quoting and backslashing.

2. Create any script using functions. Try to include:

- Global variables
- Local variables
- Positional parameters

Day 3

To Review:

It's time to put everything we've learned together!

Please complete assignment 1 by October 30th. Submit assignment by email to your TA by 11:59 PM.