

## Tools for Reproducible Research

### Week 2 Homework Solutions

2. Try out `curl`, `wc`, `grep`, and pipes.

(e) How many `.txt` files are there?

```
ls -l names/*.txt | wc -l
```

There are **134** text files.

(f) How many total lines are in those `.txt` files?

```
wc -l names/*.txt | grep total
```

There are **1,792,091** total lines.

(g) Across all of the files, how many lines contain the name “Pat”?

```
grep 'Pat,' names/*.txt | wc -l
```

There are **213** lines with the name “Pat”.

(h) How many contain the name “Pat” as a boy? As a girl?

```
grep 'Pat,M,' names/*.txt | wc -l
```

There are **124** lines with the name “Pat” as a boy.

```
grep 'Pat,F,' names/*.txt | wc -l
```

There are **89** lines with the name “Pat” as a girl.