## 2019 Homework Homework 1

- 1. Write a script called download\_count.sh which does the following.

  - Print out the count of the number of FASTA format sequences in this file (https://en.wikipedia.org/wiki/FASTA\_format) each record starts with a ">"
- 2. Write a script called summary\_exons.sh which summarizes the total length of exons in the file data/rice\_random\_exons.bed
  - read in the file
  - use a loop structure to read each line
  - add up the values into a variable
- 3. Write a script called 'strand\_gene\_count.sh' to calculate the number of genes that are on the + and strand in the file.
- $\bullet \ https://fungidb.org/common/downloads/Current\_Release/ScerevisiaeS288c/gff/data/FungiDB-45\_ScerevisiaeS288c.gff \\$