Tarea 3: TC3_ForLoop

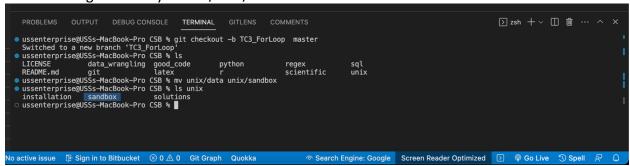
Nombre: Ronald Rivera

Curso: G02

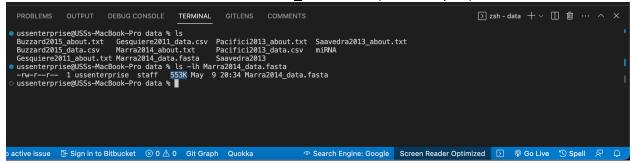
Docente: Moisés Gualapuro

1.10.1 Next Generation Sequencing Data

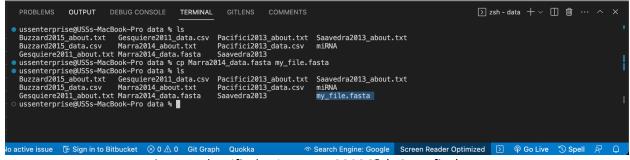
1. Change directory to CSB/unix/sandbox.



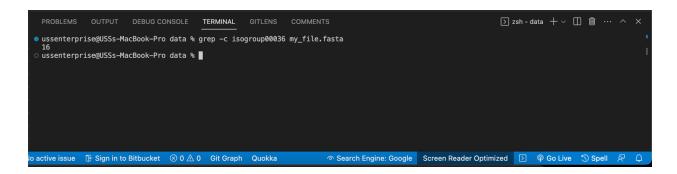
2. What is the size of the fileMarra2014 data.fasta? (553 Kilobytes)



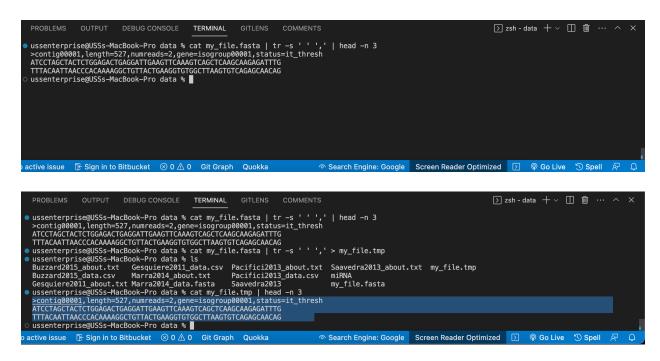
Create a copy of Marra2014_data.fasta in the sandbox and name it my_file.fasta.



4. How many contigs are classified asisogroup00036? (16 configs)



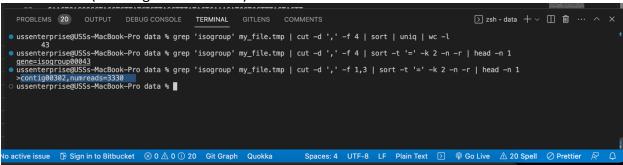
5. Replace the original "two-spaces" delimiter with a comma. (los 2 espacios son remplazados por la coma en el cat y el head me permite ver las 3 lineas y validar si en comando funciona)



6. How many unique isogroups are in the file? (43 grupos)



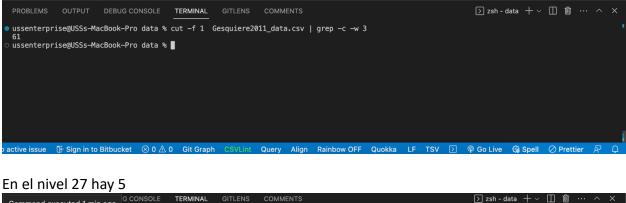
7. Which contig has the highest number of reads (numreads)? How many reads does it have? (la configuracion 00302)



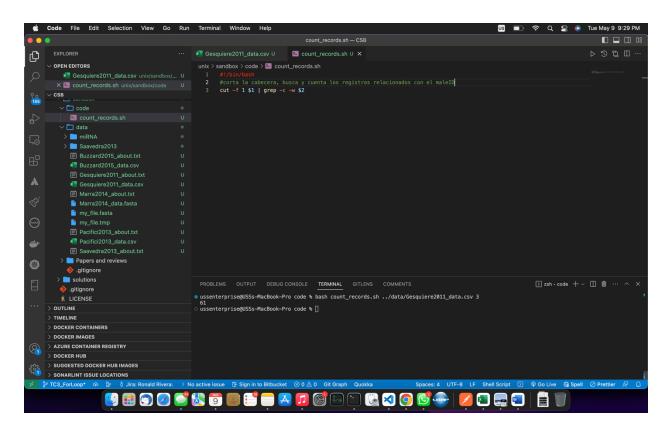
1.10.2 Hormone Levels in Baboons

1. How many times were the levels of individuals 3 and 27 recorded?

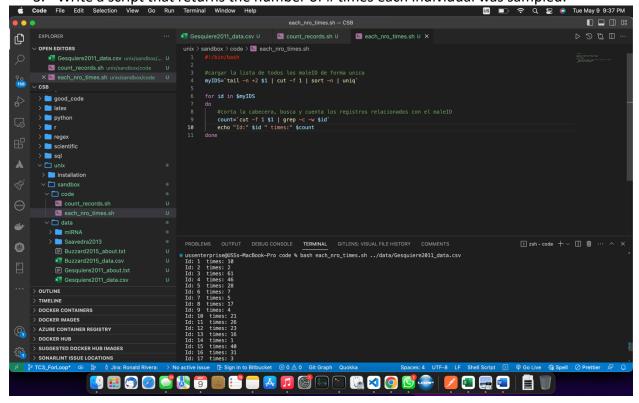
En el nivel 3 hay 61



2. Write a script taking as input the file name and the ID of the individual, and returning the number of records for that ID.

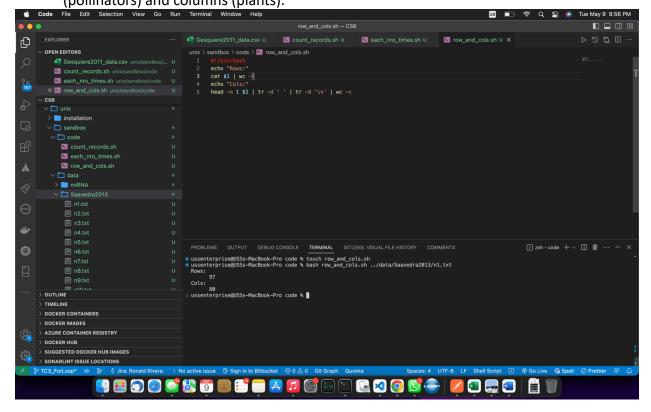


3. Write a script that returns the number of # times each individual was sampled.

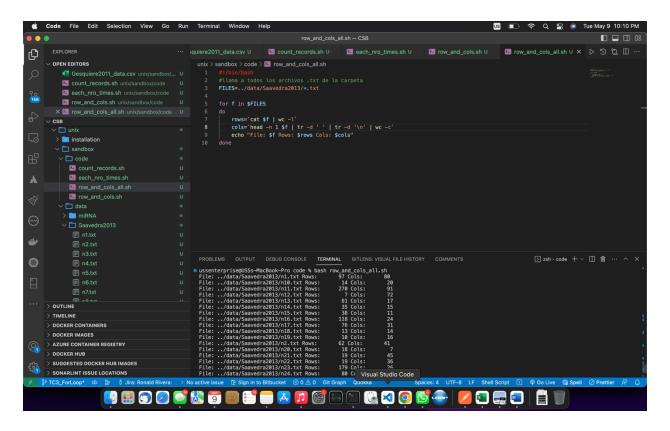


1.10.3 Plant-Pollinator Networks

1. Write a script that takes one of these files and determines the number of rows (pollinators) and columns (plants).



2. Write a script that prints the number of rows and columns for each network



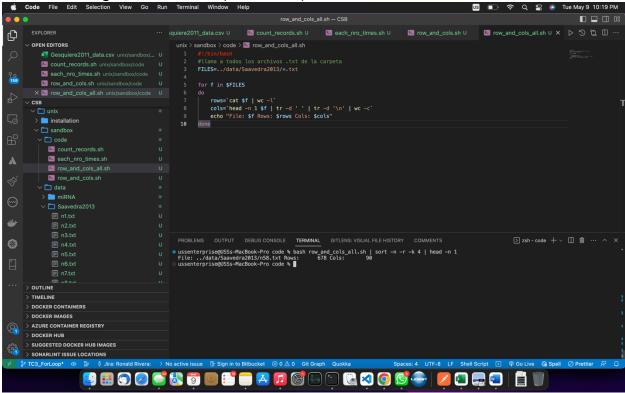
3. Which is the network with the largest number of rows? Which the one with the largest number of columns?

El número más grande de las columnas (207 n56.txt) Code File Edit Selection View Go Run Terminal Window Help US 🗊 🛜 Q 😭 🅞 Tue May 9 10:13 PM ---- iquiere2011_data.csv U 🔼 count_records.sh U 🔼 each_nro_times.sh U 🔼 row_and_cols.sh U 🔼 row_and_cols.sh U Ф V OPEN EDITORS
 ☑ count_records.sh unix/sandbox/code
 U

 ☑ each_nro_times.sh unix/sandbox/code
 U

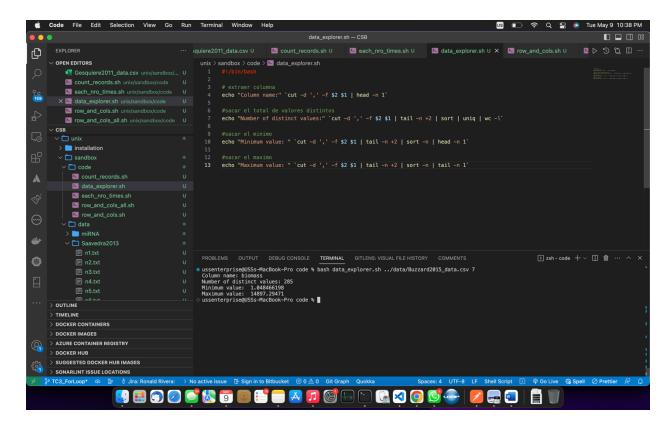
 ☑ row_and_cols.sh unix/sandbox/code
 U
 4
5 for f in \$FILES
6 do
7 rows='cat \$f | wc -l'
8 cols='head -n 1 \$f | tr -d ' ' | tr -d '\n' | wc -c'
9 echo "File: \$f Rows: \$rows Cols: \$cols" > installation count_records.sh row_and_cols.sh > miRNA ∨ ☐ Saavedra2013 ***** n3.txt ∑ zsh - code + ∨ □ 🝵 ··· ^ × 0 | ussenterprise@USSs-MacBook-Pro code % bash row_and_cols_all.sh | sort -n -r -k 6 | head -n 1 | File: ../data/Saavedra2013/n56.txt Rows: 110 Cols: 207 | ussenterprise@USSs-AdBook-Pro code % | | n7.txt > OUTLINE TIMELINE > DOCKER CONTAINERS > DOCKER IMAGES > AZURE CONTAINER REGISTRY > SUGGESTED DOCKER HUB IMAGES > SONARLINT ISSUE LOCATIONS

El número más grande de las filas (678 n58.txt)



1.10.4 Data Explorer

- 1. Write a script that, for a given csv file and column number, prints:
- Column name
- Number of distinct values
- Minimum value
- Maximum value



Scripts subidos:

https://github.com/ronaldsoft/CSB/tree/TC3 ForLoop/unix/sandbox/code

Rama: TC3_ForLoop