

```
MINGW64/c/Users/ander/documents/tc2_SanchezAnderson
ander@DESKTOP-OAKI6PR MINGW64 ~
$ cd Documents/
ander@DESKTOP-OAKI6PR MINGW64 ~/Documents
$ mkdir tc2_SanchezAnderson
ander@DESKTOP-OAKI6PR MINGW64 ~/Documents
$ cd
ander@DESKTOP-OAKI6PR MINGW64 ~
$ cd Downloads/
ander@DESKTOP-OAKI6PR MINGW64 ~/Downloads
$ cp AgCNI.0_properties.csv ~/Documents/tc2_SanchezAnderson
ander@DESKTOP-OAKI6PR MINGW64 ~/Downloads
$ cd
ander@DESKTOP-OAKI6PR MINGW64 ~
$ cd documents
ander@DESKTOP-OAKI6PR MINGW64 ~/documents
$ cat AgCNI.0_properties.csv | head -n 1 -n 2
cat: AgCNI.0_properties.csv: No such file or directory
ander@DESKTOP-OAKI6PR MINGW64 ~/documents
$ cd tc2_SanchezAnderson/
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/tc2_SanchezAnderson
$ cat AgCNI.0_properties.csv | head -n 1 -n 2
id, Gene_name, strength, eigenvector, cclose, betweenness, community, core4854, core6920,
core7464
AGAP000002,,40.75,0.008787135,0.231913559,2.91E-05,3,,,
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/tc2_SanchezAnderson
$ cut -d ";" -f 1,4,6 AgCNI.0_properties.csv > EigenBetw.tsv
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/tc2_SanchezAnderson
$ nano EigenBetw.tsv
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/tc2_SanchezAnderson
$ nano tc2_SanchezAnderson2.sh
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/tc2_SanchezAnderson
$
```

SELECCIONAR DATA TABULAR

```
funcionamiento@csb-master:~/Documents/GitHub/CSB/unix/data (master)
$ cut -d ";" -f 4 Pacific2013_data.csv | head -n 3
Genus
Elipnodontia
Microtus

funcionamiento@csb-master:~/Documents/GitHub/CSB/unix/data (master)
$ cut -d ";" -f 5,8 Pacific2013_data.csv | head -n 3
Scientific_name,max_tonguity,d
Elipnodontia typus:292
Microtus oregoni:456.25

funcionamiento@csb-master:~/Documents/GitHub/CSB/unix/data (master)
$ cut -d ";" -f 5,8 Pacific2013_data.csv | tail -n 42 | head -n 5 | sort
Elaphantulus myurus:401.5
Elipnodontia typus:292
Microtus oregoni:456.25
Peromyscus boylii:547.5
Peromyscus gossypinus:471.4583335
```

DATA TABULAR CONTAR EVENTOS

```
funcionamiento@csb-master:~/Documents/GitHub/CSB/unix/data (master)
$ wc -l Pacific2013_data.csv
547 Pacific2013_data.csv

funcionamiento@csb-master:~/Documents/GitHub/CSB/unix/data (master)
$ cut -d ";" -f 2 Pacific2013_data.csv | tail -n 42 | sort | uniq -c
54 Afrosoricida
280 Carnivora
325 Cetartiodactyla

funcionamiento@csb-master:~/Documents/GitHub/CSB/unix/data (master)
$ cut -d ";" -f 2 Pacific2013_data.csv | tail -n 42 | sort | uniq -c | wc -l
28
```

```
MINGW64/c/Users/ander/documents/tc2_SanchezAnderson
$ cd Downloads/
ander@DESKTOP-OAKI6PR MINGW64 ~/Downloads
$ cd
ander@DESKTOP-OAKI6PR MINGW64 ~
$ cd documents
ander@DESKTOP-OAKI6PR MINGW64 ~/documents
$ cd CSB-master/
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/CSB-master
$ cd unix/
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/CSB-master/unix
$ cd bioinfo/
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/CSB-master/unix/bioinfo
$ nano selector.sh
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/CSB-master/unix/bioinfo
$ nano selector2.sh
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/CSB-master/unix/bioinfo
$ cd
ander@DESKTOP-OAKI6PR MINGW64 ~
$ cd documents/tc2_SanchezAnderson
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/tc2_SanchezAnderson
$ nano tc2_SanchezAnderson2.sh
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/tc2_SanchezAnderson
$ bash tc2_SanchezAnderson2.sh
id, Gene_name, strength, eigenvector, cclose, betweenness, community, core4854, core6920, core7464
AGAP000002,,40.75,0.008787135,0.231913559,2.91E-05,3,,,
AGAP000005,,78.95,0.013750498,0.239440138,0.000171241,3,core4854,,
AGAP000007,,161.1,36.7,90E-06,0.190212304,0,1,,,
AGAP000008,,42.16,0.000383447,0.223760993,1.22E-06,8,,,
AGAP000009,,80.25,0.013804227,0.242451001,0.000654142,3,core4854,,
AGAP000010,,3.64,0.000101576,0.210887918,0,1,,,
AGAP029781,,13.25,0.000987921,0.198788789,1.49E-05,3,,,
AGAP029784,,St3,20.57,3.45E-05,0.194780906,0.000155039,7,,,
AGAP029786,,13.24,0.000146935,0.211776467,5.04E-05,4,,,
AGAP029787,,4.01,9.99E-06,0.181474946,1.22E-07,8,,,
AGAP029789,,161.71,0.001757408,0.236271301,0.00160083,4,core4854,,
ander@DESKTOP-OAKI6PR MINGW64 ~/documents/tc2_SanchezAnderson
$
```

ANSWER!

CIÓN

BASH SCRIPT 1

BASH SCRIPT 2

Columnas "id",
"betweenness"
"Betwtsv"

Con nano, cree
"tc2_ApellidoNombre.sh"

Crear
"tc2_ApellidoNombre
nano."

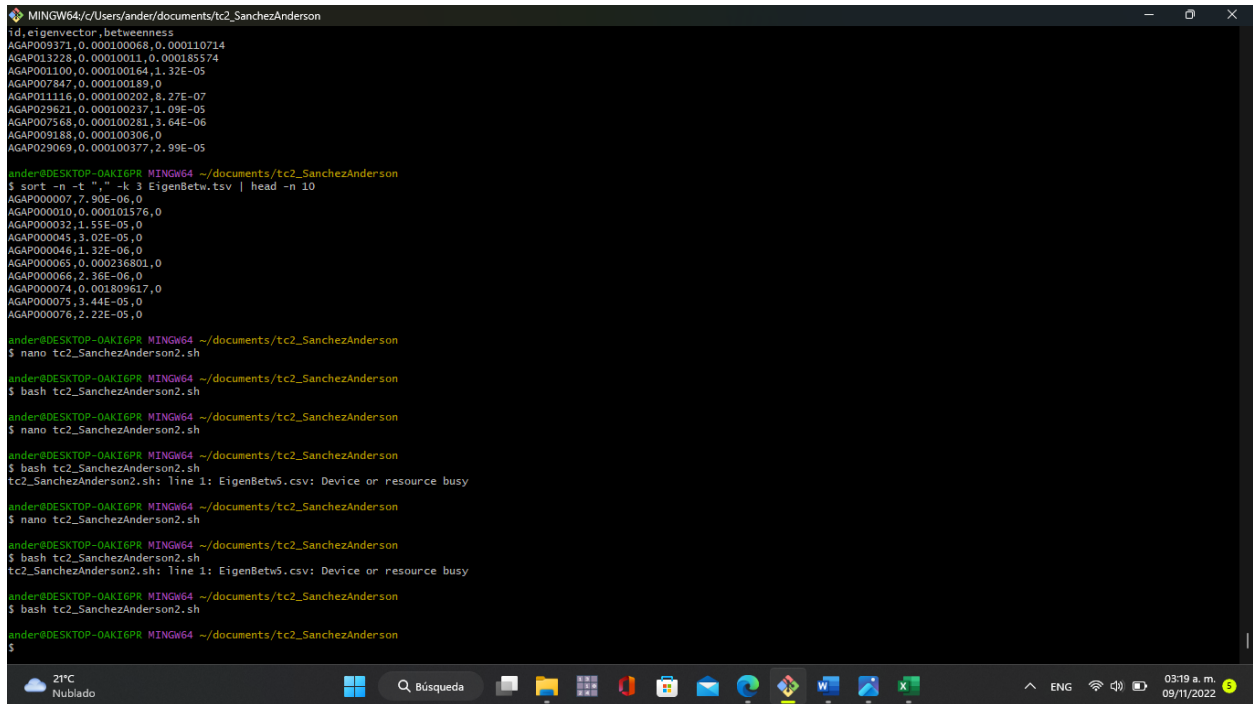
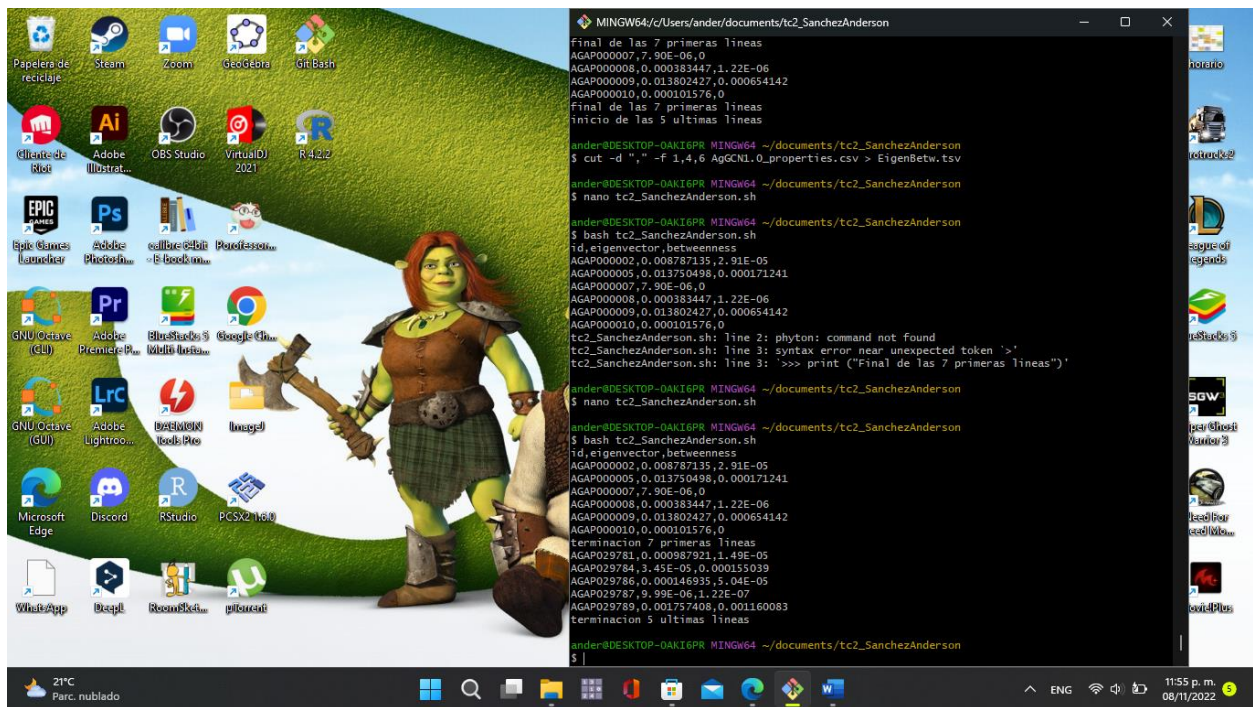
Escriba el comando para ver las
primeras 7 y últimas 5 filas de
"EigenBetwtsv".

Seleccione los registros
"id" termina en 5 y co
la columna "betwee

Imprima un mensaje de
separación entre ellas.

Guarde el resultado a
"EigenBetw5.c

En la parte de arriba no se me ejecutaba el cut, pero acá abajo si xd



Nano 1

```
MINGW64/c/Users/ander/documents/tc2_SanchezAnderson
GNU nano 6.4 tc2_SanchezAnderson.sh
echo "Inicio de las 7 primeras lineas"
cat EigenBetw.tsv | head -n 7
echo "Terminacion 7 primeras lineas"
echo "Inicio de las 5 ultimas lineas"
cat EigenBetw.tsv | tail -n 5
echo "Terminacion 5 ultimas lineas"

AG Help      AO Write Out  AW Where Is  AK Cut       AT Execute   AC Location  N-U Undo    M-A Set Mark M-] To Bracket M-Q Previous AB Back
AX Exit      AR Read File  \ Replace    AU Paste     AJ Justify   A/ Go To Line M-E Redo    M-G Copy     AQ Where Was  M-W Next    AF Forward

[Read 7 lines]

21°C Nublado  Busqueda  03:20 a.m. 09/11/2022
```

Nano 2

```
MINGW64/c/Users/ander/documents/tc2_SanchezAnderson
GNU nano 6.4 tc2_SanchezAnderson2.sh
cat EigenBetw.tsv | grep AGAP[0-9]*S, | sort -r -n -t "." -k 3 > EigenBetw5.csv

AG Help      AO Write Out  AW Where Is  AK Cut       AT Execute   AC Location  N-U Undo    M-A Set Mark M-] To Bracket M-Q Previous AB Back
AX Exit      AR Read File  \ Replace    AU Paste     AJ Justify   A/ Go To Line M-E Redo    M-G Copy     AQ Where Was  M-W Next    AF Forward

[Read 1 line]

21°C Nublado  Busqueda  03:22 a.m. 09/11/2022
```