

PREPARACIÓN Y SELECCIÓN

```
MINGW64/c:/Users/MISHELL/tc2_ImaicelaBetzabeth

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ mkdir tc2_ImaicelaBetzabeth

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ ls
'3D Objects'/'      Documents/'      Music/
AppData/'      Downloads/'      'My Documents'@
'Application Data'@  Favorites/      NTUSER.DAT
BullseyeCoverageError.txt  Links/      NTUSER.DAT{a2332f18-cdbf-11ec-8680-002248483d79}.TM.b1f
Contacts/'      'Local Settings'@  NTUSER.DAT{a2332f18-cdbf-11ec-8680-002248483d79}.TMContainer000000000000000001.regtrans-ms
Cookies@      MicrosoftEdgeBackups/  NTUSER.DAT{a2332f18-cdbf-11ec-8680-002248483d79}.TMContainer000000000000000002.regtrans-ms
NetHood@      SendTo@      c3/
OneDrive/'      'Start Menu'@  c4/
PrintHood@      Templates@      ntuser.dat.LOG1
Recent@      Videos/      ntuser.dat.LOG2
'Saved Games'/'  c1/      ntuser.ini
Searches/'      c2/      tc2_ImaicelaBetzabeth/

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ mv OneDrive/Documentos/AgGCN1.0_properties.csv tc2_ImaicelaBetzabeth/

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ cd tc2_ImaicelaBetzabeth/

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ ls
AgGCN1.0_properties.csv

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$
```

9°C
Nublado

23:15
8/11/2022

```
MINGW64:/c:/Users/MISHELL/tc2_ImaicelaBetzabeth

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ mkdir tc2_ImaicelaBetzabeth

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ ls
'3D Objects'/' Documents/' Music/ NetHood@ SendTo@ c3/
AppData/' Downloads/' 'My Documents'@ OneDrive/ 'Start Menu'@ c4/
'Application Data'@ Favorites/ NTUSER.DAT PrintHood@ Templates@ ntuser.dat.LOG1
BullseyeCoverageError.txt Links/ NTUSER.DAT{a2332f18-cdbf-11ec-8680-002248483d79}.TM.b1f Recent@ Videos/ ntuser.dat.LOG2
Contacts/ 'Local Settings'@ NTUSER.DAT{a2332f18-cdbf-11ec-8680-002248483d79}.TMContainer00000000000000000001.regtrans-ms 'Saved Games'/' c1/ ntuser.ini
Cookies@ MicrosoftEdgeBackups/ NTUSER.DAT{a2332f18-cdbf-11ec-8680-002248483d79}.TMContainer00000000000000000002.regtrans-ms Searches/ c2/ tc2_ImaicelaBetzabeth/

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ mv OneDrive/Documentos/AgGCN1.0_properties.csv tc2_ImaicelaBetzabeth/

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ cd tc2_ImaicelaBetzabeth/

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ ls
AgGCN1.0_properties.csv

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv > EigenBetw.tsv

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ head -n 3 EigenBetw.tsv
bash: head: command not found

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ head -n 3 EigenBetw.tsv
id,eigenvector,betweenness
AGAP000002,0.008787135,2.91E-05
AGAP000005,0.013750498,0.000171241

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$
```

BASH SCRIPT 1

```
MINGW64~/c/Users/MISHELL/tc2_ImaicelaBetzabeth
MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ ls
'3D Objects'/' Documents/' Music/ NetHood@ SendTo@ c3/
AppData/' Downloads/' 'My Documents'@ OneDrive/ 'Start Menu'@ c4/
'Application Data'@ Favorites/ NTUSER.DAT PrintHood@ Templates@ ntuser.dat.LOG1
BullseyeCoverageError.txt Links/ NTUSER.DAT{a2332f18-cdbf-11ec-8680-002248483d79}.TM.b1f Recent@ Videos/ ntuser.dat.LOG2
Contacts/' Local Settings'@ NTUSER.DAT{a2332f18-cdbf-11ec-8680-002248483d79}.TMContainer00000000000000000001.regtrans-ms 'Saved Games'/' c1/ ntuser.ini
Cookies@ MicrosoftEdgeBackups/ NTUSER.DAT{a2332f18-cdbf-11ec-8680-002248483d79}.TMContainer00000000000000000002.regtrans-ms Searches/ c2/ tc2_ImaicelaBetzabeth/

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ mv OneDrive/Documentos/AgGCN1.0_properties.csv tc2_ImaicelaBetzabeth/

MISHELL@LAPTOP-77TLDJLO MINGW64 ~
$ cd tc2_ImaicelaBetzabeth/

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ ls
AgGCN1.0_properties.csv

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv > EigenBetw.tsv

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ heat -n 3 EigenBetw.tsv
bash: heat: command not found

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ head -n 3 EigenBetw.tsv
id,eigenvector,betweenness
AGAP000002,0.008787135,2.91E-05
AGAP000005,0.013750498,0.000171241

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ nano tc2_ImaicelaBetzabeth.sh

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ bash tc2_ImaicelaBetzabeth.sh

Estas son las primeras 7 filas
id,eigenvector,betweenness
AGAP000002,0.008787135,2.91E-05
AGAP000005,0.013750498,0.000171241
AGAP000007,7.90E-06,0
AGAP000008,0.000383447,1.22E-06
AGAP000009,0.013802427,0.000654142
AGAP000010,0.000101576,0

Estas son las últimas 5 filas
AGAP029781,0.000987921,1.49E-05
AGAP029784,3.45E-05,0.000155039
AGAP029786,0.000146935,5.04E-05
AGAP029787,9.99E-06,1.22E-07
AGAP029789,0.001757408,0.001160083

MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$
```

MINGW64:/c:/Users/MISHELL/tc2_ImaicelaBetzabeth

GNU nano 6.4 tc2_ImaicelaBetzabeth.sh Modified

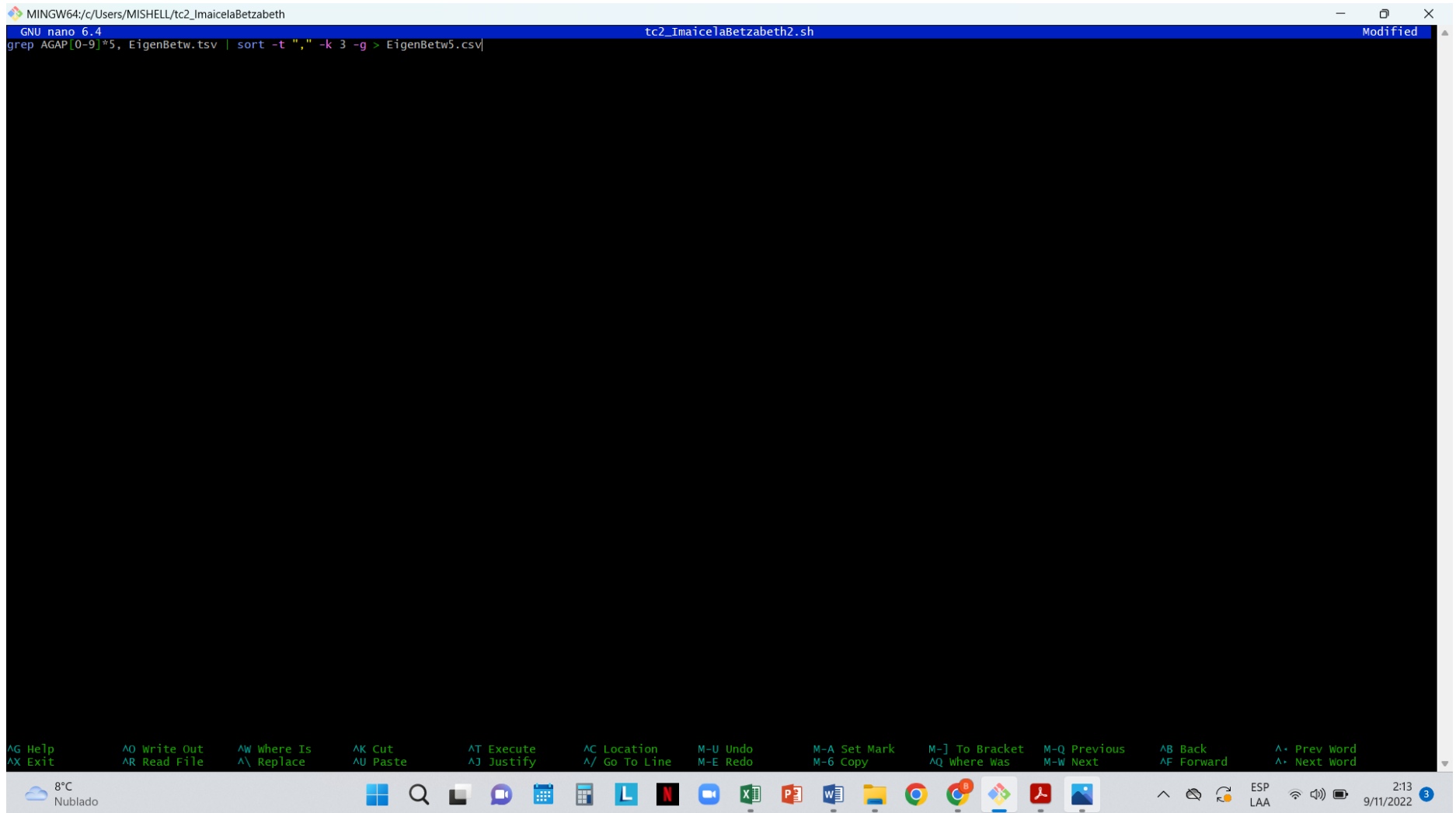
```
echo -e "\n" #Este comando designa saltos de línea
echo "Estas son las primeras 7 filas" #Esta línea indica un mensaje de separación
head -n 7 EigenBetw.tsv #Este comando me permite visualizar las primeras 7 líneas
echo -e "\n"
echo "Estas son las últimas 5 filas" #Esta línea indica un mensaje de separación
tail -n 5 EigenBetw.tsv #Este comando me permite visualizar las últimas 5 líneas
```

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location M-U Undo M-A Set Mark M-] To Bracket M-Q Previous ^B Back ^P Prev Word
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^_ Go To Line M-E Redo M-6 Copy ^Q Where Was M-W Next ^F Forward ^_ Next Word

9°C Mayorm. nublado

1:12 9/11/2022

BASH SCRIPT 2



The screenshot shows a Windows 10 desktop environment. A terminal window titled "MINGW64/c:/Users/MISHELL/tc2_Imaice1aBetzabeth" is open, displaying the GNU nano 6.4 editor. The editor is editing a file named "tc2_Imaice1aBetzabeth2.sh". The current line of code in the editor is: `grep AGAP[0-9]*5, EigenBetw.tsv | sort -t "," -k 3 -g > EigenBetw5.csv`. The terminal window has a blue title bar and a black background. The bottom of the screen shows the Windows taskbar with various application icons, including the Start button, Search, Task View, and several open applications like File Explorer, Google Chrome, and Microsoft Word. The system tray on the right shows the date and time as 9/11/2022, 2:13, and the weather as 8°C Nublado.

```
MINGW64/c:/Users/MISHELL/tc2_Imaice1aBetzabeth
GNU nano 6.4
tc2_Imaice1aBetzabeth2.sh
grep AGAP[0-9]*5, EigenBetw.tsv | sort -t "," -k 3 -g > EigenBetw5.csv

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo     M-A Set Mark  M-] To Bracket M-Q Previous  ^B Back       ^_ Prev Word
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify    ^/ Go To Line M-E Redo     M-6 Copy      ^Q Where Was  M-W Next     ^F Forward    ^_ Next Word

8°C Nublado  [Taskbar Icons]  ESP LAA  2:13 9/11/2022
```

```
MINGW64:/c:/Users/MISHELL/tc2_ImaicelaBetzabeth
MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ nano tc2_ImaicelaBetzabeth2.sh
MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ bash tc2_ImaicelaBetzabeth2.sh
MISHELL@LAPTOP-77TLDJLO MINGW64 ~/tc2_ImaicelaBetzabeth
$ cat EigenBetw5.csv
AGAP000045,3.02E-05,0
AGAP000065,0.000236801,0
AGAP000075,3.44E-05,0
AGAP000355,5.42E-07,0
AGAP000415,3.66E-05,0
AGAP000625,2.87E-07,0
AGAP000715,5.54E-05,0
AGAP001225,0.000167081,0
AGAP001275,2.28E-05,0
AGAP001475,0.000226399,0
AGAP001515,0.000527463,0
AGAP001635,4.64E-09,0
AGAP001775,3.59E-06,0
AGAP001905,1.35E-06,0
AGAP001965,8.64E-10,0
AGAP001975,0.000181957,0
AGAP002025,3.16E-07,0
AGAP002035,2.90E-05,0
AGAP002125,0.00322146,0
AGAP002175,8.16E-05,0
AGAP002185,0.000120636,0
AGAP002205,3.30E-05,0
AGAP002215,2.93E-05,0
AGAP002235,3.11E-06,0
AGAP002295,5.73E-05,0
AGAP002415,1.44E-06,0
AGAP002425,1.82E-06,0
AGAP002575,0.002880685,0
AGAP002645,0.000795232,0
AGAP002855,2.61E-06,0
AGAP002955,1.19E-05,0
AGAP003005,0.000217407,0
AGAP003035,8.91E-05,0
AGAP003095,7.13E-07,0
AGAP003125,1.63E-05,0
AGAP003265,2.81E-05,0
AGAP003295,2.58E-05,0
AGAP003405,3.99E-06,0
AGAP003495,9.33E-05,0
AGAP003575,0.000139617,0
AGAP003595,0.000178503,0
AGAP003715,3.33E-08,0
AGAP003725,8.06E-05,0
AGAP003785,3.82E-06,0
AGAP003795,3.96E-06,0
AGAP003875,0.001351216,0
AGAP003905,4.30E-05,0
AGAP004085,0.000157245,0
AGAP004425,0.000312145,0
```