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**REVISIÓN - EVALUACIÓN**





**PREPARACIÓN**

Descargue el archivo,

Cree un nuevo directorio (tc2\_ApellidoNombre) y

Mueva el archivo al directorio creado

**SELECCIÓN**

Copiar las columnas "id", "eigenvector" y "betweenness" a "EigenBetw.tsv"

**BASH SCRIPT 1**

Con nano, cree "tc2\_ApellidoNombre.sh"

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

Imprima un mensaje de separación entre ellas.

**BASH SCRIPT 2**

Crear "tc2\_ApellidoNombre2.sh" en nano.

Seleccione los registros cuyo "id" termina en 5 y ordene por la columna "betweenness".

Guarde el resultado anterior en "EigenBetw5.csv"

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```

AMADA@LAPTOP-9DM4Q230 MINGW64 ~
$ cd Desktop/Bioinformática/

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática
$ mv AgGCN1.0_properties.csv ~/ tc2_VillarruelAmada/
mv: cannot move '/c/Users/AMADA/' to a subdirectory of itself, 'tc2_VillarruelAmada/AMADA'

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática
$ cd tc2_VillarruelAmada/

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ ls
AgGCN1.0_properties.csv

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ |
```

```

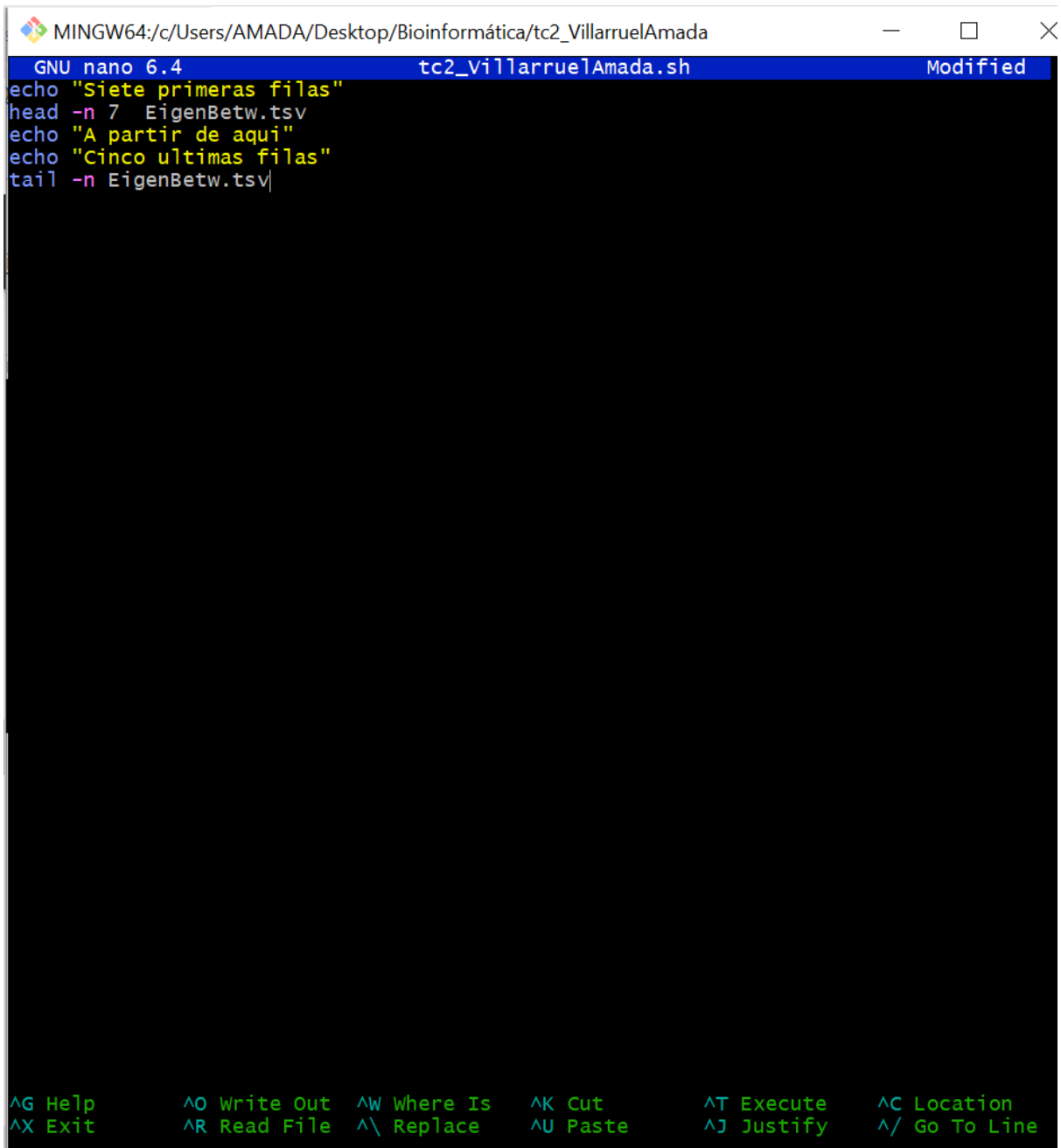
AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ head -n 10 AgGCN1.0_properties.csv
id, Gene name, strength, eigenvector, close, betweenness, community, core4854, core6920, core
7464
AGAP000002,,40.75,0.008787135,0.231913559,2.91E-05,3,,,
AGAP000005,,78.95,0.013750498,0.239440138,0.000171241,3,core4854,,
AGAP000007,IGL1,1.36,7.90E-06,0.190212304,0,1,,,
AGAP000008,,42.16,0.000383447,0.223760993,1.22E-06,8,,,
AGAP000009,,80.25,0.013802427,0.242451001,0.000654142,3,core4854,,
AGAP000010,,3.64,0.000101576,0.210887918,0,1,,,
AGAP000011,,126.3,0.028812269,0.244506032,7.34E-05,3,core4854,,
AGAP000012,TTRNA1,22.01,0.000156442,0.215810193,4.72E-05,1,,,
AGAP000013,,132.13,0.002796483,0.252337357,0.000830249,4,core4854,,

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv >> EigenBetw.tsv

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ ls
AgGCN1.0_properties.csv  EigenBetw.tsv

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ head -n 15 EigenBetw.tsv
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
AGAP000011,0.028812269,7.34E-05
AGAP000012,0.000156442,4.72E-05
AGAP000013,0.002796483,0.000830249
AGAP000014,9.20E-05,1.04E-05
AGAP000015,0.000112631,4.18E-05
AGAP000016,1.88E-05,0.000198007
AGAP000017,0.005300176,0.000134618
AGAP000018,2.35E-06,2.88E-06

```



MINGW64:/c/Users/AMADA/Desktop/Bioinformática/tc2\_VillarruelAmada

GNU nano 6.4 tc2\_villarruelAmada.sh Modified

```
echo "Siete primeras filas"
head -n 7 EigenBetw.tsv
echo "A partir de aqui"
echo "Cinco ultimas filas"
tail -n EigenBetw.tsv
```

^G Help ^O Write Out ^W Where Is ^K Cut ^T Execute ^C Location  
^X Exit ^R Read File ^\ Replace ^U Paste ^J Justify ^/ Go To Line

```
AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ nano tc2_VillarruelAmada.sh
}
AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ bash tc2_VillarruelAmada.sh
Siete primeras 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
A partir de aquí
Cinco ultimas 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

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$
```

```
AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ nano tc2_VillarruelAmada.sh

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ bash tc2_VillarruelAmada.sh

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ ls
AgGCN1.0_properties.csv  EigenBetw.tsv  EigenBetw5.csv  tc2_VillarruelAmada.sh

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$ head -n 15 EigenBetw5.csv
AGAP011165
AGAP005775
AGAP008635
AGAP001035
AGAP001825
AGAP001675
AGAP008045
AGAP013405
AGAP004575
AGAP010805
AGAP012295
AGAP007015
AGAP012835
AGAP003545
AGAP005165

AMADA@LAPTOP-9DM4Q230 MINGW64 ~/Desktop/Bioinformática/tc2_VillarruelAmada
$
```