

UNIVERSIDAD REGIONAL IKIAM

Kimberly Escudero

Tarea 1

Bioinformática

```
carmen.castellano@kim MINGW64 ~
$ cd desktop

carmen.castellano@kim MINGW64 ~/desktop
$ ls
CSB-master/  'wondershare Filmora.lnk'  'aceites, Kimberly Escudero.pdf'  'aceites, Kimberly Escudero.pptx'  deber.csv  desktop.ini  juegos/  tc2_EscuderoKimberly/

carmen.castellano@kim MINGW64 ~/desktop
$ mv "deber.csv" "tc2_EscuderoKimberly"

carmen.castellano@kim MINGW64 ~/desktop
$ cd tc2_EscuderoKimberly

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ ls
deber.csv

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ head -n 10 deber.csv
id,gene name,strength,eigenvector,close.betweenness,community,core4854,core6920,core7464
AGAP0000002,40.75,0.008787135,0.231913559,2.91E-05,3,,,
AGAP0000005,78.95,0.013750498,0.239440138,0.000171241,3,core4854,,
AGAP0000007,IGL1,1.36,7.90E-06,0.190212304,0.1,,,
AGAP0000008,42.16,0.000383447,0.223760993,1.22E-06,8,,,
AGAP0000009,80.25,0.013802427,0.242451001,0.000654142,3,core4854,,
AGAP0000010,3.64,0.000101576,0.210887918,0.1,,,
AGAP0000011,126.3,0.028812269,0.244506032,7.34E-05,3,core4854,,
AGAP0000012,TTRNA1,22.01,0.000156442,0.215810193,4.72E-05,1,,,
AGAP0000013,132.13,0.002796483,0.252337357,0.000830249,4,core4854,,

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ cut -d "," -f 1,4,6 deber.csv >> EigenBectv.tsv

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ ls
EigenBectv.tsv  deber.csv

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ head -n 10 EigenBectv.tsv
head: cannot open 'EigenBectv.tsv' for reading: No such file or directory

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ head -n 10 EigenBectv.tsv
head: cannot open 'EigenBectv.tsv' for reading: No such file or directory

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ head -n 10 EigenBectv.tsv
id,eigenvector,betweenness
AGAP0000002,0.008787135,2.91E-05
AGAP0000005,0.013750498,0.000171241
AGAP0000007,7.90E-06,0
AGAP0000008,0.000383447,1.22E-06
AGAP0000009,0.013802427,0.000654142
AGAP0000010,0.000101576,0
AGAP0000011,0.028812269,7.34E-05
AGAP0000012,0.000156442,4.72E-05
AGAP0000013,0.002796483,0.000830249
```

```

Carmen Castellano@Kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ nano tc2_EscuderoKimberly.sh

Carmen Castellano@Kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ ls
EigenBectv.tsv  deber.csv  tc2_EscuderoKimberly.sh

Carmen Castellano@Kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ bash tc2_EscuderoKimberly.sh
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
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

Carmen Castellano@Kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ nano tc2_EscuderoKimberly.sh

Carmen Castellano@Kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ ls
EigenBectv.tsv  deber.csv  separador  tc2_EscuderoKimberly.sh

Carmen Castellano@Kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ rm separador

Carmen Castellano@Kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ ls
EigenBectv.tsv  deber.csv  tc2_EscuderoKimberly.sh

Carmen Castellano@Kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ bash tc2_EscuderoKimberly.sh
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
separador
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

Carmen Castellano@Kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$

```

```

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ ls
EigenBectv.tsv  deber.csv  tc2_EscuderoKimberly.sh  tc2_EscuderoKimberly2.sh

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ cat tc2_EscuderoKimberly2.sh
cut -d "," -f 1,3 EigenBectv.tsv | tr "," " " | sort -d " " -k 2 | cut -d " " -f 1 | grep '5$' >> eigenBectv2.tsv

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ bash tc2_EscuderoKimberly2.sh
tc2_EscuderoKimberly2.sh: line 1: unexpected EOF while looking for matching `''
tc2_EscuderoKimberly2.sh: line 2: syntax error: unexpected end of file

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ nano tc2_EscuderoKimberly2.sh

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ bash tc2_EscuderoKimberly2.sh

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ ls
EigenBectv.tsv  deber.csv  eigenBectv2.tsv  tc2_EscuderoKimberly.sh  tc2_EscuderoKimberly2.sh

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ nano tc2_EscuderoKimberly2.sh

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ bash tc2_EscuderoKimberly2.sh

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ ls
EigenBectv.tsv  deber.csv  eigenBectv2.csv  eigenBectv2.tsv  tc2_EscuderoKimberly.sh  tc2_EscuderoKimberly2.sh

carmen.castellano@kim MINGW64 ~/desktop/tc2_EscuderoKimberly
$ head eigenBectv2.csv
AGAP011165
AGAP005775
AGAP008635
AGAP001035
AGAP001825
AGAP001675
AGAP008045
AGAP013405
AGAP004575
AGAP010805

```