

TC2_Unix2GitHub1

1. Realice la actividad de acuerdo a las indicaciones del documento.
2. Genere un documento PDF con las capturas de pantalla de la resolución de la actividad 1.
3. Actualice el documento ReadMe con los datos personales, los datos del equipo y los programas utilizados.
4. Pegue el enlace de su repositorio de GitHub

```
ASUS@DESKTOP-LKEFEJE MINGW64 ~  
$ cd Downloads/CSB-master/  
  
ASUS@DESKTOP-LKEFEJE MINGW64 ~/Downloads/CSB-master  
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv > EigenBetw.tsv  
  
ASUS@DESKTOP-LKEFEJE MINGW64 ~/Downloads/CSB-master  
$ nano tc_FloresJuleth.sh  
  
ASUS@DESKTOP-LKEFEJE MINGW64 ~/Downloads/CSB-master  
$ bash tc_FloresJuleth.sh
```

Aquí se escogieron 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
```

Aquí se escogieron 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
```

```
ASUS@DESKTOP-LKEFEJE MINGW64 ~/Downloads/CSB-master  
$ nano tc_FloresJuleth2.sh
```


```
ASUS@DESKTOP-LKEFEJE MINGW64 ~/Downloads/CSB-master  
$ bash tc_FloresJuleth2.sh
```

Escoger los id que terminen en 5 y ordenar la columna betweenness

```
ASUS@DESKTOP-LKEFEJE MINGW64 ~/Downloads/CSB-master  
$ cat tc_FloresJuleth2.sh  
#!/bin/bash  
echo -e "\n"  
#Parte 2  
echo -e "\n"  
echo "Escoger los id que terminen en 5 y ordenar la columna betweenness"  
echo -e "\n"  
grep AGAP[0-9]*5, EigenBetw.tsv | sort -k 2 -t, -n > EigenBetw5.csv
```

```
ASUS@DESKTOP-LKEFEJE MINGW64 ~/Downloads/CSB-master
```

```
$ cat EigenBetw5.csv  
AGAP008795,0.000103152,0.000140994  
AGAP009165,0.00010352,0.000359872  
AGAP007475,0.000103595,0.000169592  
AGAP003085,0.000103991,4.30E-05  
AGAP029465,0.000105491,4.20E-06  
AGAP012335,0.00010638,1.51E-07  
AGAP001865,0.000106675,9.39E-05  
AGAP013395,0.000107403,1.10E-06  
AGAP001745,0.000107414,1.14E-05  
AGAP003315,0.000108921,4.31E-08  
AGAP007955,0.00010993,2.84E-06  
AGAP012105,0.000110572,0.000113206  
AGAP008885,0.000111171,7.19E-09  
AGAP000815,0.000112274,3.96E-05  
AGAP000015,0.000112631,4.18E-05  
AGAP012295,0.000112978,9.64E-07  
AGAP012865,0.000113244,5.30E-06  
AGAP002455,0.00011495,1.63E-05  
AGAP008525,0.000116183,7.19E-06  
AGAP005055,0.00011652,0.000276245  
AGAP009495,0.000118546,0.000104531  
AGAP000445,0.000119093,0.000155039  
AGAP028455,0.000119167,2.47E-06  
AGAP013445,0.000120005,2.65E-06  
AGAP002185,0.000120636,0  
AGAP005855,0.000126044,4.03E-06  
AGAP010985,0.000126404,5.99E-05  
AGAP007215,0.000126839,1.36E-05
```

 MINGW64:/c/Users/ASUS/Downloads/CSB-master

```
GNU nano 6.4 tc_FloresJuleth.sh
#!/bin/bash
echo -e "\n"
echo "Aquí se escogieron las primeras 7 filas"
echo -e "\n"
head -n 7 EigenBetw.tsv
echo -e "\n"
echo "Aquí se escogieron las últimas 5 filas"
tail -n 5 EigenBetw.tsv
```

```
ASUS@DESKTOP-LKEFEJE MINGW64 ~/Downloads/CSB-master
$ bash tc_FloresJuleth.sh
```

Aquí se escogieron 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
```

Aquí se escogieron 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
```

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BIOTECNOLOGÍA- BIOINFORMÁTICA

AGAP011735,0.000163604,0.000324812
AGAP011195,0.000164321,1.39E-06
AGAP006395,0.000164454,7.94E-06
AGAP007855,0.000166053,3.40E-05
AGAP012955,0.00016646,0
AGAP001225,0.000167081,0
AGAP002615,0.000171127,1.48E-06
AGAP012815,0.000171637,0.000356202
AGAP000725,0.000171736,3.84E-06
AGAP002805,0.000172205,2.68E-05
AGAP004545,0.000172291,1.61E-05
AGAP012895,0.000173245,8.73E-06
AGAP029675,0.00017639,2.44E-06
AGAP003075,0.000178174,3.99E-05
AGAP003595,0.000178503,0
AGAP028065,0.000179267,3.42E-06
AGAP012535,0.000179552,1.34E-06
AGAP007385,0.000180496,0.000106781
AGAP012995,0.000181146,1.58E-07
AGAP009245,0.000181716,0.000701153
AGAP001975,0.000181957,0
AGAP010385,0.00018247,5.75E-07
AGAP006055,0.000183816,0.000159909
AGAP011775,0.000183922,1.09E-05
AGAP010265,0.000184441,1.12E-05
AGAP009405,0.000184732,0
AGAP007095,0.000187129,0
AGAP011055,0.000188248,1.68E-05
AGAP005825,0.00019203,4.98E-06
AGAP010615,0.000194385,9.11E-08
AGAP005725,0.000195561,0
AGAP008415,0.000196309,3.60E-08
AGAP002935,0.000198518,6.38E-05
AGAP003635,0.000198947,4.43E-05
AGAP000545,0.000200685,0.000176359
AGAP011835,0.000200833,0.000395103
AGAP012485,0.000201708,4.36E-06
AGAP000395,0.000202113,5.39E-05
AGAP007825,0.000205904,2.73E-05
AGAP008785,0.000206021,0
AGAP001715,0.000206851,0.000345243
AGAP003745,0.000207207,3.36E-06
AGAP001405,0.000207244,8.99E-06
AGAP012625,0.00020837,0.000341918
AGAP003805,0.000208529,0.00010713
AGAP028175,0.000208844,8.01E-05
AGAP001795,0.000209154,8.86E-07
AGAP000375,0.000209556,7.09E-05
AGAP012365,0.000210172,9.15E-06
AGAP004955,0.000210179,0.000186442
AGAP011015,0.00021116,4.31E-08
AGAP004975,0.000211192,5.61E-07
AGAP011875,0.000211408,2.85E-06
AGAP013225,0.00021221,0
AGAP010175,0.000212977,2.93E-05
AGAP010955,0.000213676,7.08E-05
AGAP008575,0.000214012,2.89E-06