

Bioinformatics Assignment

TC2

Name: Joyce Andrade

Screenshots. -

2022II_gbi6 / TC

metadatos.sigtierras.gob.ec/pdf/Memoria_tecnica_Geomorfologia_TAISHA_20151117.pdf

Cancel changes

<> Edit file

Preview

Spaces 2 Soft wrap

```
1 # Tarea de Clase 2
2
3 ## You can do everything <3 ! <a href="https://www.crehana.com/blog/estilo-vida/que-es-kawaii/"> 
4
5 **Datos Personales**
6 - *Nombre:* Joyce Andrade
7 - *Institución:* Universidad Regional Amazónica IKIAM
8 - *Contacto:* 593 983045538
9 - *Semestre:* 6to Semestre
10 - *Correo:* joyce.andrade@est.ikiam.edu.ec
11
12 **Datos del equipo**
13 - *Sistema Operativo:* Windows 10 Home 64 bits (10,0 compilación 19044)
14 - *Procesador:* Inter(R) Celeron(R) CPU N3350 @ 1.10GHz 1.10 GHz
15 - *Modelo:* X541NA
16 - *Memoria:* 4096MB RAM
17 - *Archivo de paginación:* 5364MB usados, 2170MB disponible
18
19 **Programas Usados**
20 - *Google Chrome*
21 - *Git Bash*
22
```

21 líneas (17 sloc) | 850 Bytes

<> Raw Blame

Tarea de Clase 2

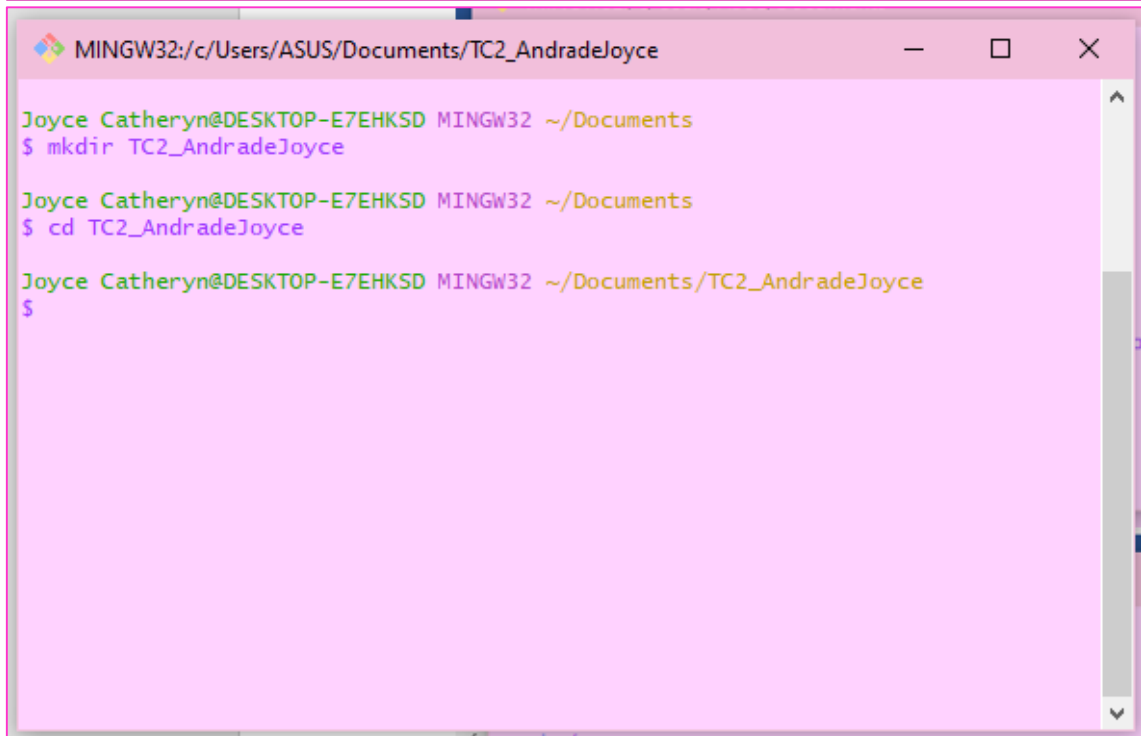
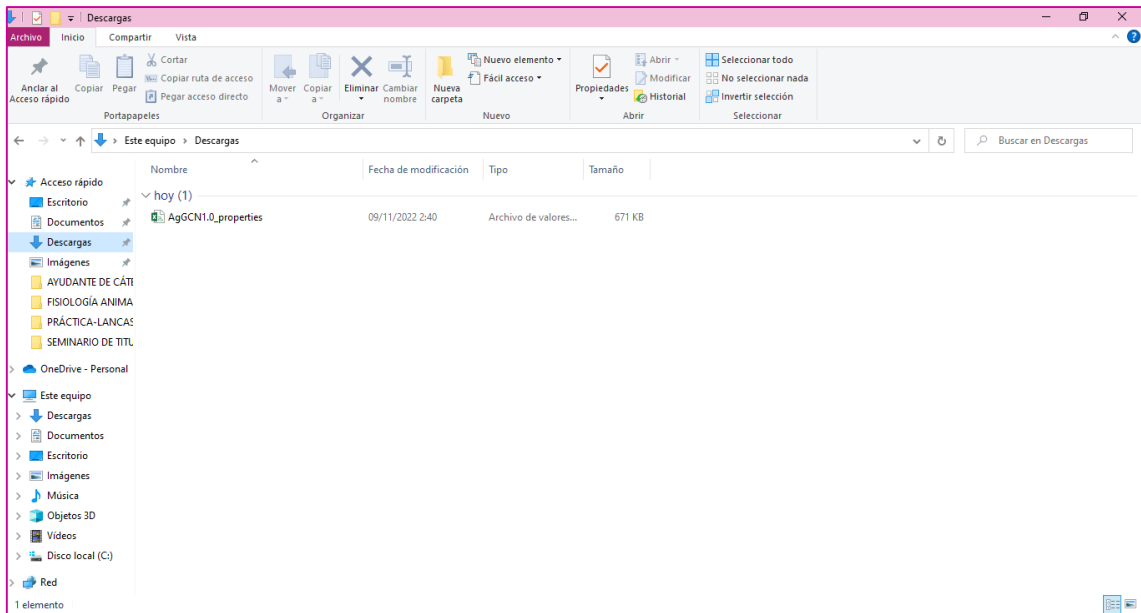
You can do everything <3 !

Datos Personales

- *Nombre:* Joyce Andrade
- *Institución:* Universidad Regional Amazónica IKIAM
- *Contacto:* 593 983045538
- *Semestre:* 6to Semestre
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Datos del equipo

- *Sistema Operativo:* Windows 10 Home 64 bits (10,0 compilación 19044)
- *Procesador:* Inter(R) Celeron(R) CPU N3350 @ 1.10GHz 1.10 GHz
- *Modelo:* X541NA
- *Memoria:* 4096MB RAM



```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents
$ mv AgGCN1.0_properties.csv TC2_AndradeJoyce

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents
$ cd TC2_AndradeJoyce

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ ls
AgGCN1.0_properties.csv

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ |
```

```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ ls
AgGCN1.0_properties.csv

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv > EigenBetw.tsv

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ nano TC2_AndradeJoyce.sh

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$
```

```
Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ cat EigenBetw.tsv
```

```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce
AGAP002216,4.76E-06,0
AGAP002217,5.59E-05,7.62E-07
AGAP002218,0.00084985,7.02E-06
AGAP002219,0.016739974,0.000372076
AGAP002220,0.000234478,0.000219324
AGAP002221,0.00070592,6.42E-05
AGAP002222,7.94E-05,5.74E-06
AGAP002223,0.000131925,3.58E-05
AGAP002224,2.38E-05,6.90E-07
AGAP002226,0.001836415,0.000114826
AGAP002227,0.000512592,4.04E-06
AGAP002228,5.15E-06,2.90E-06
AGAP002229,0.000471181,2.65E-05
AGAP002231,0.005410159,2.94E-05
AGAP002232,0.000411051,1.97E-06
AGAP002234,0.000981798,0.00026475
AGAP002235,3.11E-06,0
AGAP002236,3.48E-05,0.000146454
AGAP002238,0.003916556,7.44E-06
AGAP002240,3.38E-06,1.15E-05
AGAP002241,0.000172138,1.34E-05
AGAP002242,0.000185395,0.000139584
AGAP002243,0.000176555,2.04E-06
AGAP002245,0.013706427,1.45E-05
```

```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce
GNU nano 5.8 TC2_AndradeJoyce.sh Modified
head -n 7 EigenBetw.tsv
echo "Nos separamos"
tail -n 5 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
```

```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce
Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv > EigenBetw.tsv

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ nano TC2_AndradeJoyce.sh

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ bash TC2_AndradeJoyce.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
Nos separamos
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

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$
```

```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce
Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv > EigenBetw.tsv

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ nano TC2_AndradeJoyce.sh

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ bash TC2_AndradeJoyce.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
Nos separamos
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

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ nano TC2_AndradeJoyce2.sh
```

```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce
GNU nano 5.8 TC2_AndradeJoyce2.sh
grep -e AGAP[0-9]*5, EigenBetw.tsv | sort -t, -n -k 3 > EigenBetw5.csv
head -n 6 EigenBetw5.csv

[ Read 3 lines ]
^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
```

```
0 MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce
Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ bash TC2_AndradeJoyce2.sh

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ nano TC2_AndradeJoyce.sh

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ bash TC2_AndradeJoyce2.sh

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ nano TC2_AndradeJoyce.sh

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ bash TC2_AndradeJoyce2.sh
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
Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ cat EigenBetw5.csv
```

- More or less

```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce
AGAP000065,0.000236801,0
AGAP000075,3.44E-05,0
AGAP000355,5.42E-07,0
AGAP000415,3.66E-05,0
AGAP000625,2.87E-07,0

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ nano TC2_AndradeJoyce2.sh

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ 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
e2.sh
```

- From Least to most

```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce
GNU nano 5.8 TC2_AndradeJoyce2.sh
grep -e AGAP[0-9]*5, EigenBetw.tsv | sort -t, -n -r -k 3 > EigenBetw5.csv
head -n 6 EigenBetw5.csv

[ Read 3 lines ]
^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
```

```
MINGW32:/c/Users/ASUS/Documents/TC2_AndradeJoyce
AGAP000065,0.000236801,0
AGAP000075,3.44E-05,0
AGAP000355,5.42E-07,0
AGAP000415,3.66E-05,0
AGAP000625,2.87E-07,0

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ nano TC2_AndradeJoyce2.sh

Joyce Catheryn@DESKTOP-E7EHKSD MINGW32 ~/Documents/TC2_AndradeJoyce
$ 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
```