

```
MINGW32/c/Users/user/Downloads
Netina@DESKTOP-C7U9BDL MINGW32 /
$ cd ~
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ ls
'3D Objects'/'Entorno de red'@ NTUSER.DAT Searches/
AppData/'Favorites/' NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.b1f SendTo@
'Configuración local'@ Impresoras@ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000001.regtrans-ms Videos/
Contacts/ IntelGraphicsProfiles/ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000002.regtrans-ms anaconda3/
Cookies@ Links/ OneDrive/ Pictures/ ntuser.dat.LOG1
'Datos de programa'@ 'Menú Inicio'@ Plantillas@ ntuser.dat.LOG2
Desktop/ MicrosoftEdgeBackups/ Reciente@ ntuser.ini
Documents/ 'Mis documentos'@ 'Reciente@ tc2_VargasMelina/
Downloads/ Music/ 'Saved Games'/'

Netina@DESKTOP-C7U9BDL MINGW32 ~
$ mkdir tc2_VargasMelina
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ ls
'3D Objects'/'Entorno de red'@ NTUSER.DAT Searches/
AppData/'Favorites/' NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.b1f SendTo@
'Configuración local'@ Impresoras@ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000001.regtrans-ms Videos/
Contacts/ IntelGraphicsProfiles/ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000002.regtrans-ms anaconda3/
Cookies@ Links/ OneDrive/ Pictures/ ntuser.dat.LOG1
'Datos de programa'@ 'Menú Inicio'@ Plantillas@ ntuser.dat.LOG2
Desktop/ MicrosoftEdgeBackups/ Reciente@ ntuser.ini
Documents/ 'Mis documentos'@ 'Reciente@ tc2_VargasMelina/
Downloads/ Music/ 'Saved Games'/'

Netina@DESKTOP-C7U9BDL MINGW32 ~
$ cd Downloads/
Netina@DESKTOP-C7U9BDL MINGW32 ~/Downloads
$ ls
0000000275-smiletemplates.com.zip
0000002825-smiletemplates.com.zip
1432-Texto del artículo-1700-1-10-20200414.pdf*
20220426_dca.R
2_DD-DATOS_ABIERTOS_ESPAC_ECO_2019.zip
'37682-Article Text (please provide a single file with figures and tables integrated)-127104-1-10-20190617.pdf'
AgGCN1.0_properties.csv
anaconda3-2022-05-Windows-x86_64.exe*
CARBURO_DE_TUNGSTENO1.pdf
CSB-master.zip
'Canón Arajúno_Contexto Biofisico.docx'
'Carburo de Tungsteno.pptx'
'Carburo de wolframio - Wikipedia, la enciclopedia libre.pdf'
'DriverPack-17-Online__dxs1572ovhr853s.exe*'

or available locally via: info "(coreutils) mv invocation"
Netina@DESKTOP-C7U9BDL MINGW32 ~/Downloads
$ mv AgGCN1.0_properties.csv tc2_VargasMelina/
mv: cannot move 'AgGCN1.0_properties.csv' to 'tc2_VargasMelina/': No such file or directory
Netina@DESKTOP-C7U9BDL MINGW32 ~/Downloads
$ cp AgGCN1.0_properties.csv tc2_VargasMelina/
cp: cannot create regular file 'tc2_VargasMelina/': Not a directory
Netina@DESKTOP-C7U9BDL MINGW32 ~/Downloads
$ cd ../
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ mv Downloads/AgGCN1.0_properties.csv tc2_VargasMelina/
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ ls tc2_VargasMelina/
AgGCN1.0_properties.csv
Netina@DESKTOP-C7U9BDL MINGW32 ~
$
```

```
Netina@DESKTOP-C7U9BDL MINGW32 ~/Downloads
$ mv Downloads/AgGCN1.0_properties.csv tc2_VargasMelina/
mv: cannot move 'Downloads/AgGCN1.0_properties.csv' to 'tc2_VargasMelina/': Not a directory
Netina@DESKTOP-C7U9BDL MINGW32 ~/Downloads
$ cd ../
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ mv Downloads/AgGCN1.0_properties.csv tc2_VargasMelina/
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ ls tc2_VargasMelina/
AgGCN1.0_properties.csv
Netina@DESKTOP-C7U9BDL MINGW32 ~
$
```

```
MINGW32/c/Users/user
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ ls
'3D Objects'/'Entorno de red'@ NTUSER.DAT Searches/
AppData/'Favorites/' NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.b1f SendTo@
'Configuración local'@ Impresoras@ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000001.regtrans-ms Videos/
Contacts/ IntelGraphicsProfiles/ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000002.regtrans-ms anaconda3/
Cookies@ Links/ OneDrive/ Pictures/ ntuser.dat.LOG1
'Datos de programa'@ 'Menú Inicio'@ Plantillas@ ntuser.dat.LOG2
Desktop/ MicrosoftEdgeBackups/ Reciente@ ntuser.ini
Documents/ 'Mis documentos'@ 'Reciente@ tc2_VargasMelina/
Downloads/ Music/ 'Saved Games'/'

Netina@DESKTOP-C7U9BDL MINGW32 ~
$ cd tc2_VargasMelina/
Netina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ cd ../
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ head -n 2 tc2_VargasMelina/AgGCN1.0_properties.csv
id, Gene name, strength, eigenvector, close, betweenness, community, core4854, core6920, core7464
AGAPO00002,,40.75,0.008787135,0.231913559,2.91E-05,3,,
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ cut -d ";" -f 1,4,6 tc2_VargasMelina/AgGCN1.0_properties.csv >> FigenBetw.tsv
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ ls tc2_VargasMelina/
AgGCN1.0_properties.csv
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ ls
'3D Objects'/'Downloads/'/'MicrosoftEdgeBackups/' Pictures/ ntuser.dat.LOG1
AppData/'Entorno de red'@ 'Mis documentos'@ Reciente@ ntuser.dat.LOG2
'Configuración local'@ Impresoras@ NTUSER.DAT 'Saved Games'/' tc2_VargasMelina/
Contacts/ FigenBetw.tsv NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TM.b1f Searches/
Cookies@ IntelGraphicsProfiles/ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000001.regtrans-ms SendTo@
'Datos de programa'@ Links/ NTUSER.DAT{53b39e88-18c4-11ea-a811-000d3aa4692b}.TMContainer000000000000000002.regtrans-ms Videos/
Desktop/ 'Menú Inicio'@ OneDrive/ anaconda3/
Documents/

Netina@DESKTOP-C7U9BDL MINGW32 ~
$ cut -d ";" -f 1,4,6 tc2_VargasMelina/AgGCN1.0_properties.csv >> tc2_VargasMelina/FigenBetw.tsv
Netina@DESKTOP-C7U9BDL MINGW32 ~
$ ls tc2_VargasMelina/
AgGCN1.0_properties.csv FigenBetw.tsv
Netina@DESKTOP-C7U9BDL MINGW32 ~
$
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ cut -d "," -f 1,4,6 AgGCN1.0_properties.csv > EigenBetw.tsv
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ head -n 2 EigenBetw.tsv
id,eigenvector,betweenness
AGAP000002,0.008787135,2.91E-05
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$
```



```
MINGW32:/c/Users/user/tc2_VargasMelina
```

```
GNU nano 5.8
echo "Siete primeras filas"
head -n 7 EigenBetw.tsv
echo -e "\n"
echo "Cinco últimas filas"
tail -n 5 EigenBetw.tsv
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ nano tc2_VargasMelina.sh
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ bash tc2_VargasMelina.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
```

```
Cinco últimas 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
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$
```



```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ nano tc2_VargasMelina2.sh
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ bash tc2_VargasMelina2.sh
```

```
tc2_VargasMelina2.sh: line 1: EigenBetw5.csv: Device or resource busy
AGAP000005
AGAP000015
AGAP000025
AGAP000035
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ bash tc2_VargasMelina2.sh
```

```
AGAP011225,2.85E-05,0
AGAP011325,3.58E-05,0
AGAP011375,1.06E-05,0
AGAP011435,1.37E-06,0
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ nano tc2_VargasMelina2.sh
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
```

```
$ head -n 2 tc2_VargasMelina2.sh
grep AGAP0[1-9]*[5], EigenBetw.tsv | sort -t, -n -k 3 > EigenBetw5.csv
head -n 4 EigenBetw5.csv
```

```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$
```



```
Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ nano tc2_VargasMelina2.sh

Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ bash tc2_VargasMelina2.sh
AGAP029765
AGAP029735
AGAP029715
AGAP029705

Melina@DESKTOP-C7U9BDL MINGW32 ~/tc2_VargasMelina
$ |
```

