

UNIVERSIDAD REGIONAL AMAZÓNICA IKIAM
BIOINFORMÁTICA
TAREA EN CLASE 2

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Fecha: Viernes 13 de Mayo del 2022

The screenshot displays a Windows desktop environment. On the left, a terminal window (MINGW64) shows a series of commands being executed to process CSV files. The commands include using 'echo', 'tail', 'cut', 'sort', and 'uniq' to extract and sort data from 'Pacifici2013_data.csv' into a file named 'ordenes.csv'. The terminal output shows the file being created and the data being sorted. Below the terminal, a file explorer window shows the contents of the 'BodyM.csv' file, which includes a list of species names and their corresponding counts. A red arrow points to the 'grep' command used to filter the data. On the right, an Excel spreadsheet titled 'ordenes' is open, displaying the data extracted from the CSV file. The spreadsheet has a single column labeled 'A' containing a list of species names, including '54 Afrosoricida', '280 Carnivora', '325 Cetartiodactyla', '1144 Chiroptera', '21 Cingulata', '73 Dasyuromorphia', '2 Dermoptera', '99 Didelphimorphia', '139 Diprotodontia', '442 Eulipotyphla', '1 Eulipotyphla', '5 Hyacoidea', '92 Lagomorpha', '17 Macroscelidea', '1 Microbiotheria', '5 Monotremata', '2 Notoryctemorphia', '6 Paucituberculata', '19 Peramelemorphia', and '16 Perissodactyla'. The Excel window also shows the 'Inicio' ribbon with various formatting options.

Terminal commands and output:

```
USER@DESKTOP-6SR238: MINGW64 ~/documents/CSB-master/unix/data
$ echo "Familias" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv
cut -d ";" -f 3 | sort | uniq -c >> ../sandbox/ordenes.csv
bash: ../sandbox/ordenes.csv: Device or resource busy
bash: ../sandbox/ordenes.csv: Device or resource busy

USER@DESKTOP-6SR238: MINGW64 ~/documents/CSB-master/unix/data
$ AC
$ AC

USER@DESKTOP-6SR238: MINGW64 ~/documents/CSB-master/unix/data
$ tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 3 | sort | uniq -c >> ../s
box/ordenes.csv
bash: ../sandbox/ordenes.csv: Device or resource busy

USER@DESKTOP-6SR238: MINGW64 ~/documents/CSB-master/unix/data
$ tail -n +3 Pacifici2013_data.csv | cut -d ";" -f 3 | sort | uniq -c >> ../s
box/ordenes.csv

USER@DESKTOP-6SR238: MINGW64 ~/documents/CSB-master/unix/data
$ echo "ordenes" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv |
ut -d ";" -f 2 | sort | uniq -c >> ../sandbox/ordenes.csv

USER@DESKTOP-6SR238: MINGW64 ~/documents/CSB-master/unix/data
$ |

$ wc -l BodyM.csv
$426 BodyM.csv

$ grep Vombatidae BodyM.csv
Diprotodontia Vombatidae Lasiorhinus Lasiorhinus
Diprotodontia Vombatidae Lasiorhinus Lasiorhinus
Diprotodontia Vombatidae Vombatus Vombatus ursinus

$ grep -c Vombatidae BodyM.csv
3
```

Excel spreadsheet 'ordenes' content:

A	B	C	D	E	F	G	H	I
1	ordenes							
2	54 Afrosoricida							
3	280 Carnivora							
4	325 Cetartiodactyla							
5	1144 Chiroptera							
6	21 Cingulata							
7	73 Dasyuromorphia							
8	2 Dermoptera							
9	99 Didelphimorphia							
10	139 Diprotodontia							
11	442 Eulipotyphla							
12	1 Eulipotyphla							
13	5 Hyacoidea							
14	92 Lagomorpha							
15	17 Macroscelidea							
16	1 Microbiotheria							
17	5 Monotremata							
18	2 Notoryctemorphia							
19	6 Paucituberculata							
20	19 Peramelemorphia							
21	16 Perissodactyla							

ordenes - Excel

Inicio Insertar Disposición de página Fórmulas Datos Revisar Vista Ayuda ¿Qué desea hacer?

Portapapeles Fuente Alineación Número Formato condicional Dar formato como tabla Estilos de celda Insertar Eliminar Ordenar y filtrar Buscar y seleccionar Edición

A1 Ordenes

	A	B	C	L	M	N	O	P
1	Ordenes							
2	54 Afrosoricida							
3	280 Carnivora							
4	325 Cetartiodactyla							
5	1144 Chiroptera							
6	21 Cingulata							
7	73 Dasyuromorpha							
8	2 Dermoptera							
9	99 Didelphimorpha							
10	139 Diprotodontia							
11	442 Eulipotyphla							
12	1 Eulipotyphla							
13	5 Hyarcoidea							
14	92 Lagomorpha							
15	17 Macroscelidea							
16	1 Microbiotheria							
17	5 Monotremata							
18	2 Notoryctemorphia							
19	6 Paucituberculata							
20	19 Peramelemorphia							
21	16 Perissodactyla							
22	8 Pholidota							

MINGW64/c/Users/USER/documents/CSB-master/unix/data

```

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Genero" > ../sandbox/ordenes.csv | tail -n +3 Pacifici2013_data.csv | cu
t -d ";" -f 4 | sort | uniq -c >> ../sandbox/ordenes.csv
bash: ../sandbox/ordenes.csv: Device or resource busy
bash: ../sandbox/ordenes.csv: Device or resource busy

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Genero" > ../sandbox/ordenes.csv | tail -n +4 Pacifici2013_data.csv | cu
t -d ";" -f 4 | sort | uniq -c >> ../sandbox/ordenes.csv

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Ordenes" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv | c
ut -d ";" -f 2 | sort | uniq -c >> ../sandbox/ordenes.csv

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Familia" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv |
cut -d ";" -f 3 | sort | uniq -c >> ../sandbox/ordenes.csv

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Genero" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv | c
ut -d ";" -f 4 | sort | uniq -c >> ../sandbox/ordenes.csv

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$

```

Listo Accesibilidad: No disponible

ESP LAA 14:08 13/5/2022

ordenes - Excel

Inicio Insertar Disposición de página Fórmulas Datos Revisar Vista Ayuda ¿Qué desea hacer?

Portapapeles Fuente Alineación Número Formato condicional Dar formato como tabla Estilos de celda Insertar Eliminar Ordenar y filtrar Buscar y seleccionar Edición

A1 Ordenes

	A	B	C	L	M	N	O	P
28	4 Sirenia							
29	1 Tubulidentata							
30	Familia							
31	9 Abrocomidae							
32	2 Acrobatiidae							
33	1 Ailuridae							
34	7 Anomaluridae							
35	1 Antilocapridae							
36	11 Aotidae							
37	1 Aplodontiidae							
38	28 Atelidae							
39	4 Balaenidae							
40	8 Balaenopteridae							
41	15 Bathyergidae							
42	136 Bovidae							
43	4 Bradypodidae							
44	5 Burramyidae							
45	6 Caenolestidae							
46	42 Callitrichidae							
47	8 Calomyscidae							
48	3 Camelidae							
49	35 Canidae							

MINGW64/c/Users/USER/documents/CSB-master/unix/data

```

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Genero" > ../sandbox/ordenes.csv | tail -n +3 Pacifici2013_data.csv | cu
t -d ";" -f 4 | sort | uniq -c >> ../sandbox/ordenes.csv
bash: ../sandbox/ordenes.csv: Device or resource busy
bash: ../sandbox/ordenes.csv: Device or resource busy

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Genero" > ../sandbox/ordenes.csv | tail -n +4 Pacifici2013_data.csv | cu
t -d ";" -f 4 | sort | uniq -c >> ../sandbox/ordenes.csv

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Ordenes" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv | c
ut -d ";" -f 2 | sort | uniq -c >> ../sandbox/ordenes.csv

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Familia" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv |
cut -d ";" -f 3 | sort | uniq -c >> ../sandbox/ordenes.csv

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$ echo "Genero" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv | c
ut -d ";" -f 4 | sort | uniq -c >> ../sandbox/ordenes.csv

USERDESKTOP-6SR2J8J MINGW64 ~/documents/CSB-master/unix/data
$

```

Listo Accesibilidad: No disponible

ESP LAA 14:09 13/5/2022

ordenes - Excel

Inicio Inicio Insertar Disposición de página Fórmulas Datos Revisar Vista Ayuda ¿Qué desea hacer?

Portapapeles Fuente Alineación Número Formato condicional Dar formato como tabla Estilos de celda Insertar Eliminar Formato Ordenar y filtrar Buscar y seleccionar Edición

A182 21 Ziphidae

182 21 Ziphidae
183 Genero
184 1 Abditomys
185 1 Abeomelomys
186 1 Abrawayaomys
187 8 Abrocoma
188 9 Abrothrix
189 5 Acerodon
190 1 Acinonyx
191 18 Acomys
192 3 Aconaemys
193 1 Acrobates
194 1 Addax
195 2 Aegialomys
196 2 Aepeomys
197 1 Aepyceros
198 1 Aepyprymnus
199 1 Aeretes
200 2 Aeromys
201 2 Aethalops
202 11 Aethomys
203 1 Ailuropoda

MINGW64/c/Users/USER/documents/CSB-master/unix/data

```

$ echo "Genero" > ../sandbox/ordenes.csv | tail -n +3 Pacifici2013_data.csv | cut -d ";" -f 4 | sort | uniq -c >> ../sandbox/ordenes.csv
$ echo "Genero" > ../sandbox/ordenes.csv | tail -n +4 Pacifici2013_data.csv | cut -d ";" -f 4 | sort | uniq -c >> ../sandbox/ordenes.csv
$ echo "Ordenes" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 2 | sort | uniq -c >> ../sandbox/ordenes.csv
$ echo "Familia" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 3 | sort | uniq -c >> ../sandbox/ordenes.csv
$ echo "Genero" > ../sandbox/ordenes.csv | tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 4 | sort | uniq -c >> ../sandbox/ordenes.csv

```

ordenes

Listo Accesibilidad: No disponible

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Papelera de reciclaje UNIVERSIDAD Contabil 9 Aniscond 139 202...

sandbox

NINGW64/c/Users/USER/documents/CSB-master/unix/data

```

$ tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 5 | sort | uniq -c | wc -l
5424
$ AC
$ echo "Ordenes" > ../sandbox/totales.txt | tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 2 | sort | uniq -c >> ../sandbox/totales.txt
$ echo "Ordenes" > ../sandbox/totales.txt | tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 2 | sort | uniq -c | wc -l >> ../sandbox/totales.txt
$ echo "Familia" > ../sandbox/totales.txt | tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 3 | sort | uniq -c | wc -l >> ../sandbox/totales.txt
$ echo "Genero" > ../sandbox/totales.txt | tail -n +2 Pacifici2013_data.csv | cut -d ";" -f 4 | sort | uniq -c | wc -l >> ../sandbox/totales.txt

```

totales: Bloc de notas

Archivo Editar Ver

Ordenes
28
Familia
152
Genero
1223

Buscar en sandbox

Fecha de modificación	Tipo	Tamaño
2019 10:53	Carpeta de archivos	
2019 10:53	txtfile	0 KB
2022 14:07	Archivo de valores...	26 KB
2022 14:16	Documento de te...	1 KB

Ln 1, Col 1 100% Unix (LF) UTF-8

WhatsApp ERY FACTURAS 2021 documentos lina HP Support Assistant ImageJ Gt-236.0-64-bit

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