Aim .

To do exploratory data analysis with pythen

program:

import pound as as pd import numpy as no import mapplotlib pyplot as plt import seaborn or sns of = polread_csv (" nelflix - files.csv") print (dl. into()) print (dy-head (1) point (of desibe (include = "all")] point ("Number of unique countries", of [" country"] nunique(1) point (" number of unique directorses", of [clivrectories] nunique) print (d) ['hype'] value - counts ()) print (dy l'irelease-year']. value - counts (1. head (1) print (of group by (['country', 'type']). size () sort - values (ascending = feelie). (head (101) of [date - added] = pd. to - datetime (of [date added ? format="mixed", errors="core")

of per of redorn while of principals a singer - sold lines 2 clas pandas core frame data frame'> Range-index-8807 entries 10 to 8806

(water) mediator of resolution about the

Duta columns (total to columns)

#	column	Non-n	ull count-Dhype
0	Show-id	8807	non-null object
1	type	2807	non-null object
2	fittle	8807	non-nul object
3	director	617 3	non-null object
4.	cast	7982	non-null object.
5.	Country	7976	non-null object
	date added	8197	non-null object
	ordean - year	8800	non-nul object
	making	P803	non- null Object
	-		

dhypes : int 64 (1), object (4)

no of anique countries = 748 no g unique directors = 4528

movie 6131

TV show 2676 Name = count, Atype = int 64

of set-index- ('data-added', inplace = towe)

monthly -content = elf. resample ('m'). size()

plt. figure (figsize = (12,6))

monthly -content. plot()

plt. tittle ("netflix content added over time")

plt. X babel ("Oate")

plt. Y babel ("Number of ritles added")

plt. grid (rowe)

plt. show()

genus = df [" cisted-in"]. str. split (", esepand = ture)

stack []

top-genus = genus. value = counts (1. head (10)

top-genues = plot (kind = 'book', boral = 'loral')

plt dittle (" Top 10 greenes on rely(1")

plt (slabel ("count")

plt gea (1. Intert y assis ())

put show ()

Result:

Netflix's dibrary is mainly movies with most

content from me us, india and the UK.

Recent year show peak orclease, popular genro

includes bramas. Mining deek need attention

is done a succenfully wompletet.