Project Proposal

Question / needs:

Looking for drugs and where it come from,??

We can extract some information about world drugs production from seized drugs numbers.

There is lots of factors, which can sway numbers on each side such as government drug tolerance act.

But if we look on overall number, we can extract some basic information.

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Data description:

Dataset I obtained from https://www.kaggle.com/ramjasmaurya/drug-seizues-annually-since-1970s/code in which the data have been obtained from using tool analysis that was used to analysis Drug Seizures annually since 1970s seizures of drugs from 1970s to pre covid period and.

Tools:

I will be planning to use deep learning model and library of Numby – Pandas – Matloltlip -Seaporn – Python

MVP Goal:

The goal of this project is to better understand drugs and where it come from, between 2005 to 2019 and which reign is using it and what drug they using:

1- First I just chose what datset I need from my dataset

2- I import my tools:

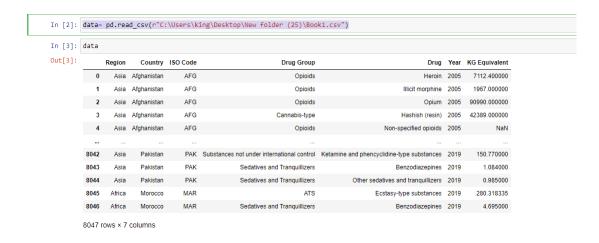
import pandas as pd import numpy as np import seaborn as sns import matplotlib.pyplot as plt

```
In [1]: import pandas as pd import numpy as np import seaborn as sns | import matplotlib.pyplot as plt
```

3- Import my dataset using:

data= pd.read_csv(r"C:\Users\king\Desktop\New folder (25)\Book1.csv")

data



4- check how many data column I have:

5- In this code I check which Region we are using:

```
data. Region.value counts ()
```

6- In this I checked which value I was using in every country: data.Country.value_counts(50)

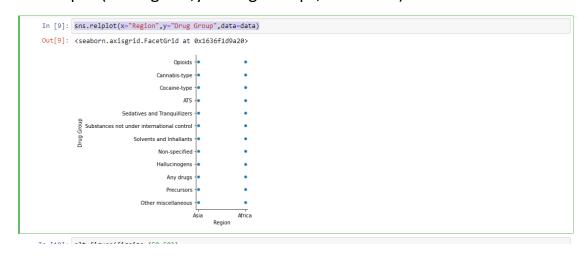
7- I use this to groupby Drug Group ,Region, KG Equivalent:

8- I use this next command to see my head : prct.head(111)

In [8]:	prct.head(111)			
Out[8]:		Drug Group	Region	KG Equivalent
	0	ATS	Africa	6.45
	1	ATS	Asia	93.55
	2	Any drugs	Africa	NaN
	3	Any drugs	Asia	NaN
	4	Cannabis-type	Africa	42.98
	5	Cannabis-type	Asia	57.02
	6	Cocaine-type	Africa	54.27
	7	Cocaine-type	Asia	45.73
	8	Hallucinogens	Africa	2.20
	9	Hallucinogens	Asia	97.80
	10	Non-specified	Africa	38.25
	**			04.75

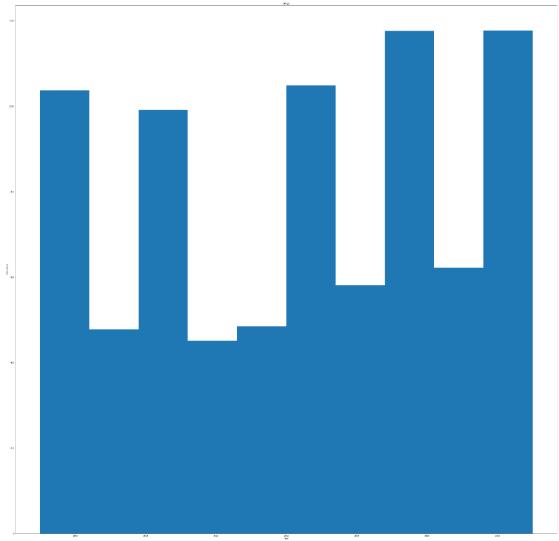
9-This function provides access to several different axes-level functions that show the relationship between two variables with semantic mappings of subsets in this:

sns.relplot(x="Region",y="Drug Group",data=data)



9- I use figsize to see the drug by year and by drug group : plt.figure(figsize=(50,50))

```
plt.hist(data['Year'])
plt.title("Drugs")
plt.xlabel("Year")
plt.ylabel("Drug Group")
plt.show()
```



A count plot can be thought of as a histogram across a categorical, instead of quantitative, variable. The basic API and options are identical to those for barplot(), so you can compare counts across nested variables:

sns.set_style('whitegrid')
plt.figure(figsize=(35,15))
sns.countplot(x="Drug Group", data=data, palette='cubehelix');

sns.set_style('whitegrid')
plt.figure(figsize=(35,15))
sns.sev.ythlet(y="Year" data_data_nelette='io

