



HEALTH

- Mehar khatoon



MOTIVATION:

- Good health is the key to a happy and fulfilling life, providing physical energy and mental well-being. It directly enhances productivity, improves quality of life, and strengthens social connections. Prioritizing health is an investment in a resilient and vibrant lifestyle.
- Found this dataset interesting to work on
- Can get more interesting and factual insights

Overview of DataSets :

- AGE STANDARDIZED SUICIDE RATES :

[2016,2015,2010,200]

- CRUDE SUICIDE RATE:

[80+, between(70-79),(60-69),(50-59),(40-49),(30-39),(20-29),(10-19)]

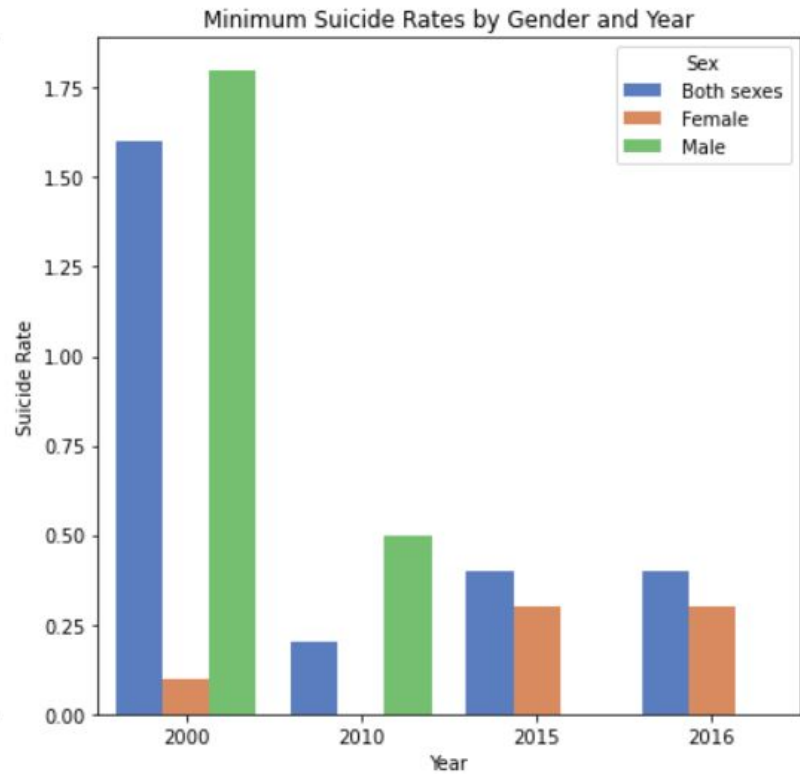
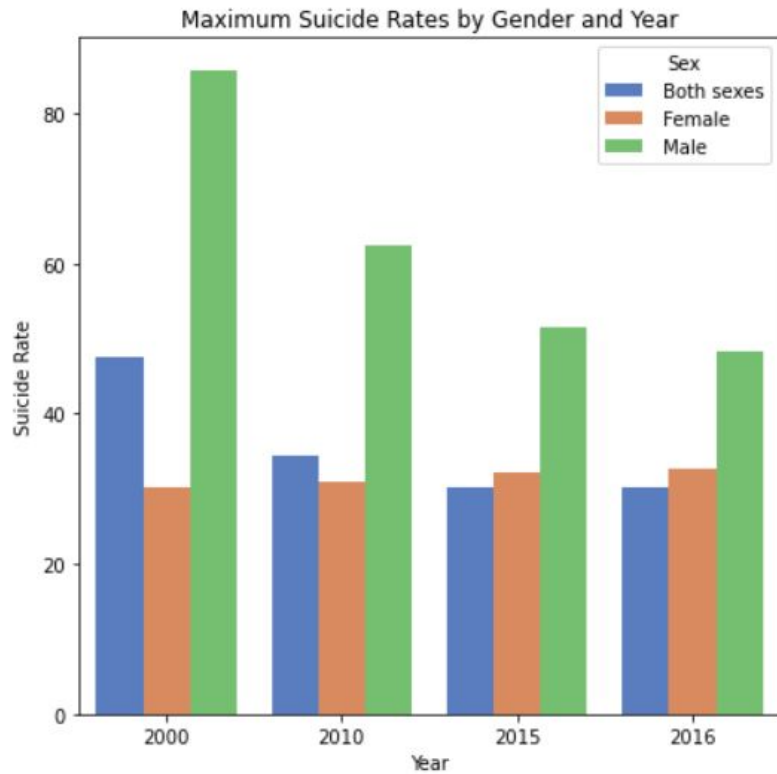
- FACILITIES:

[mental health , health unit, out patient facilities, day treatment, residential facilities]

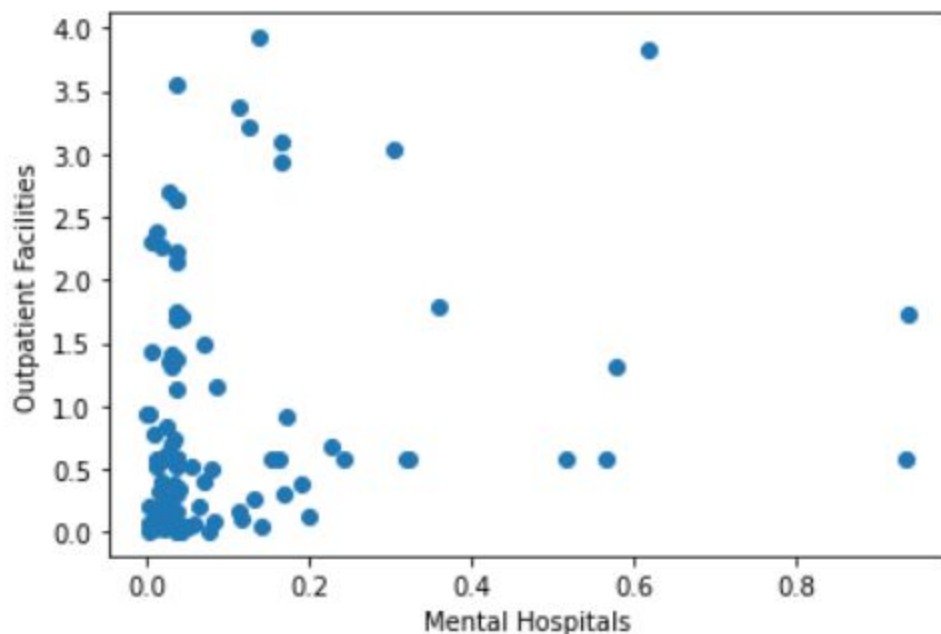


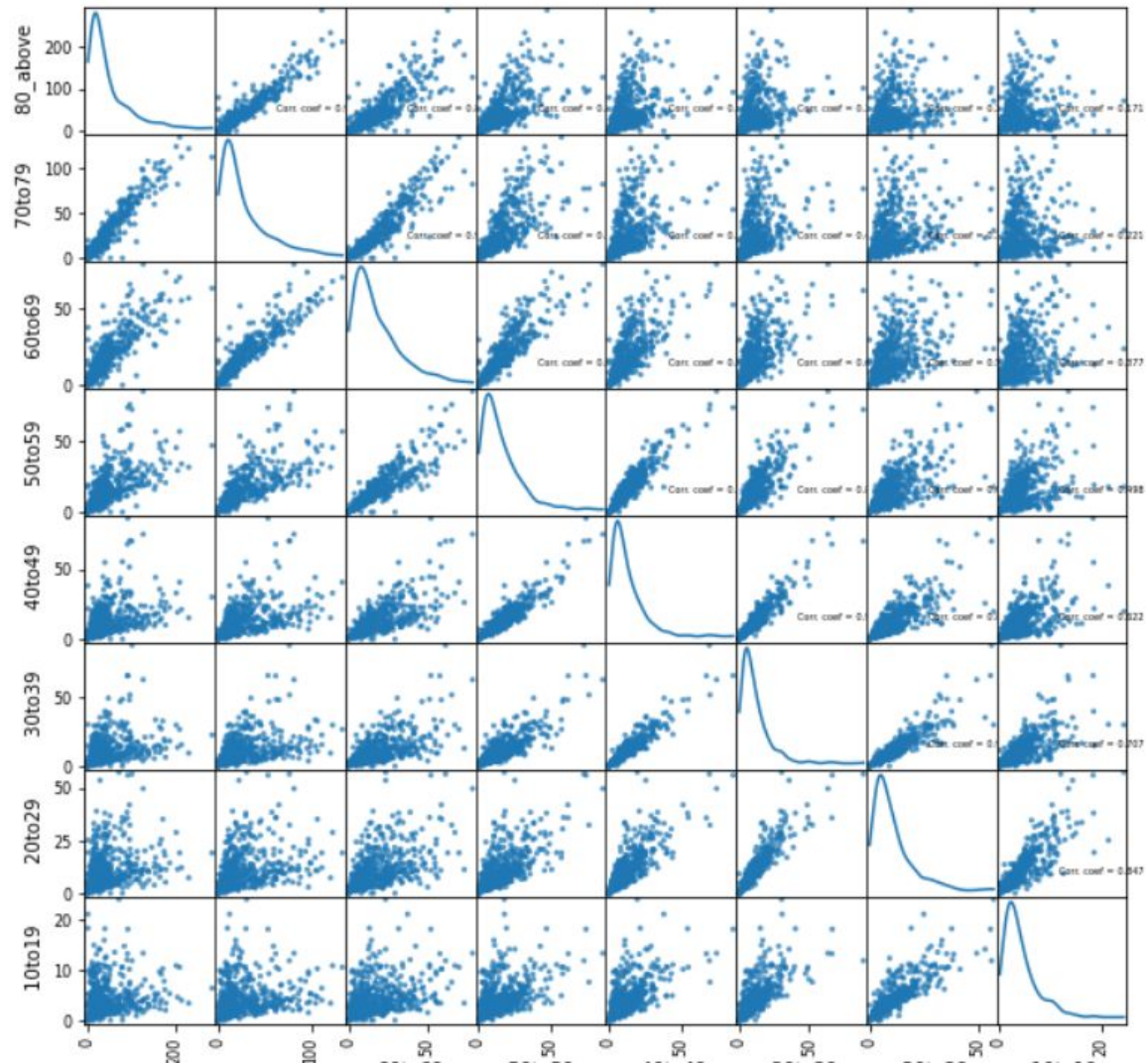
Library set :

- `import seaborn as sns`
- `import matplotlib.pyplot as plt`
- `import numpy as np`
- `import pandas as pd`
- `import math`
- `Import warnings`



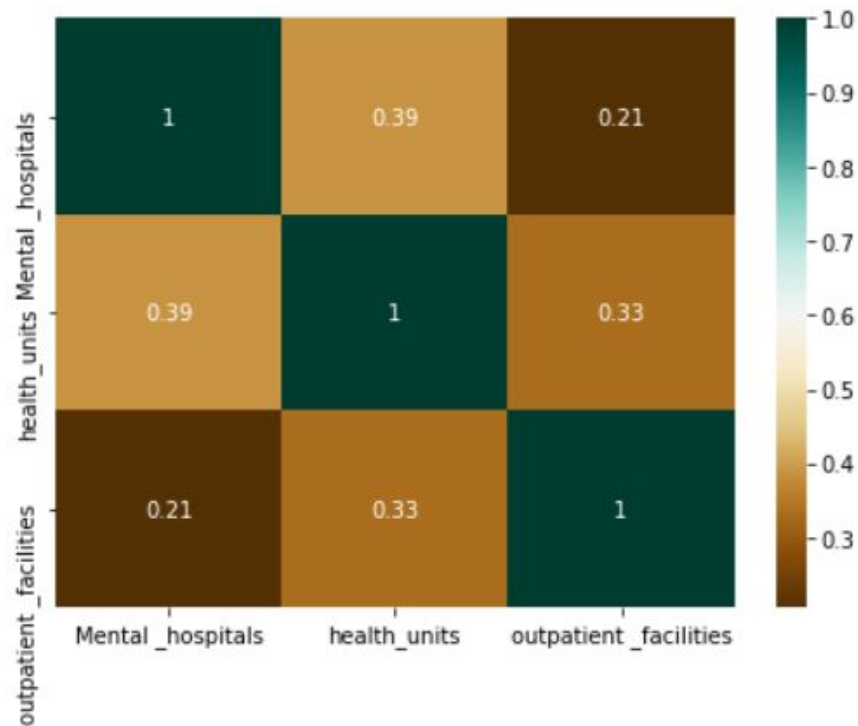
```
# Scatter plot between Mental_hospital and outpatient_facilities  
plt.scatter(facilities["Mental_hospitals"], facilities["outpatient_facilities"])  
plt.xlabel('Mental Hospitals')  
plt.ylabel('Outpatient Facilities')  
plt.show()
```





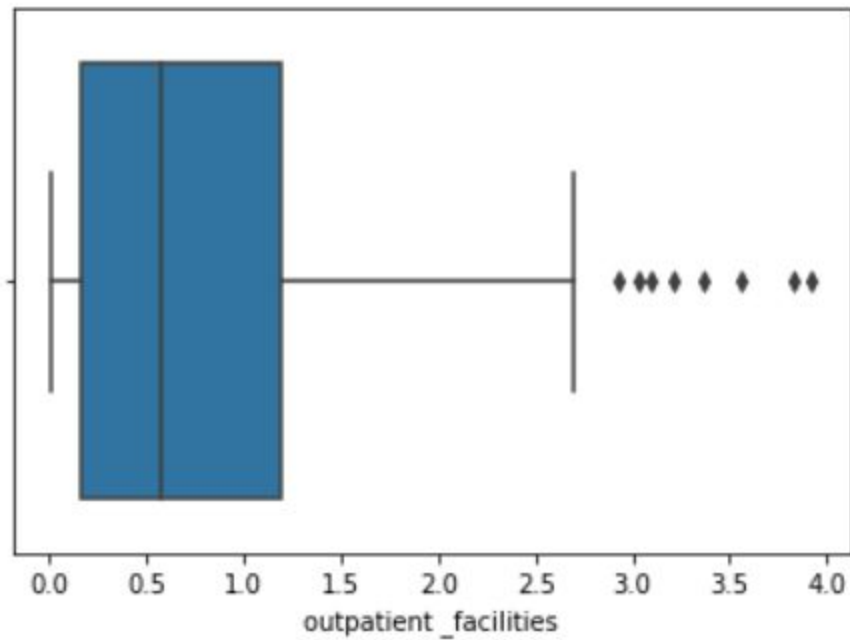
Out[45]:


	Mental_hospitals	health_units	outpatient_facilities
Mental_hospitals	1.000000	0.386775	0.205639
health_units	0.386775	1.000000	0.334012
outpatient_facilities	0.205639	0.334012	1.000000




```
In [75]: sns.boxplot(x=facilities["outpatient_facilities"])
```

```
Out[75]: <AxesSubplot:xlabel='outpatient_facilities'>
```



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- Box plot
 - Histogram
 - Heapmap
 - Matplotlib
 - Scatterplot
 - Column distribution