# pi-ds-task01

July 13, 2024

```python
import pandas as pd
import seaborn as sns
```

```python
data = pd.read_csv('/wp.csv')
```

```python
data.head()
```

```
        Country/Other  Population (2020)  Yearly Change  Net Change  \
0          Afghanistan           38928346           2.33      886592
1              Albania            2877797          -0.11       -3120
2              Algeria           43851044           1.85      797990
3               Angola           32866272           3.27     1040977
4  Antigua and Barbuda              97929           0.84         811

   Density (P/Km²)  Land Area (Km²)  Migrants (net)  Fert. Rate  Med. Age  \
0               60           652860          -62920         4.6        18
1              105            27400          -14000         1.6        36
2               18          2381740          -10000         3.1        29
3               26          1246700            6413         5.6        17
4              223              440               0         2.0        34

   Urban Pop %  World Share
0         25.0         0.50
1         63.0         0.04
2         73.0         0.56
3         67.0         0.42
4         26.0         0.00
```

```python
df= pd.DataFrame(data)
```

```python
df
```

```
        Country/Other  Population (2020)  Yearly Change  Net Change  \
0          Afghanistan           38928346           2.33      886592
1              Albania            2877797          -0.11       -3120
2              Algeria           43851044           1.85      797990
3               Angola           32866272           3.27     1040977
```

```
4       Antigua and Barbuda                  97929              0.84            811
..                    …                          …                …              …
196               Vietnam              97338579              0.91         876473
197        Western Sahara                597339              2.55          14876
198                 Yemen              29825964              2.28         664042
199                Zambia              18383955              2.93         522925
200              Zimbabwe              14862924              1.48         217456

      Density (P/Km²)  Land Area (Km²)  Migrants (net)  Fert. Rate  Med. Age  \
0                  60           652860          -62920         4.6        18
1                 105            27400          -14000         1.6        36
2                  18          2381740          -10000         3.1        29
3                  26          1246700            6413         5.6        17
4                 223              440               0         2.0        34
..                ...              ...             ...         ...       ...
196               314           310070          -80000         2.1        32
197                 2           266000            5582         2.4        28
198                56           527970          -30000         3.8        20
199                25           743390           -8000         4.7        18
200                38           386850         -116858         3.6        19

      Urban Pop %  World Share
0            25.0         0.50
1            63.0         0.04
2            73.0         0.56
3            67.0         0.42
4            26.0         0.00
..            ...          ...
196          38.0         1.25
197          87.0         0.01
198          38.0         0.38
199          45.0         0.24
200          38.0         0.19

[201 rows x 11 columns]
```
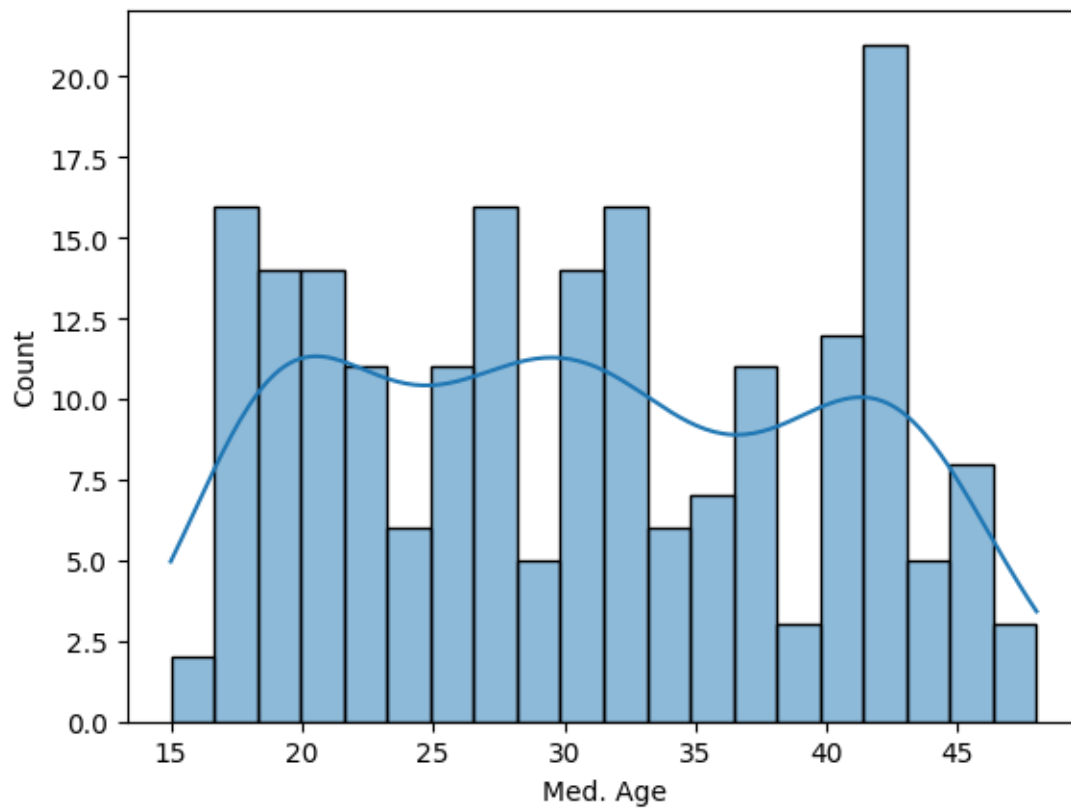
# 1   Histogram

```
[ ]: sns.histplot(df, x=df['Med. Age'],bins= 20, stat='count',kde='true')
```

```
[ ]: <Axes: xlabel='Med. Age', ylabel='Count'>
```

## 2 Barplot

```
sns.barplot(df,y=df['Med. Age'], hue= 'Country/Other',palette='pastel')
sns.set(rc={'figure.figsize':(30,4)})  #set figure size
```

[ ]: