

```
In [2]: import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
```

```
In [3]: data = pd.read_csv("C:/Users/ashwa/Downloads/world_population.csv")
```

```
In [4]: #Display the 1st 5 rows of the data frame
print(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/Km ²)	Land Area (Km ²)	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

```
In [5]: #Display the all columns
print(data.columns)
```

```
Index(['Country/Other', 'Population (2020)', 'Yearly Change', 'Net Change',
      'Density (P/Km²)', 'Land Area (Km²)', 'Migrants (net)', 'Fert. Rate',
      'Med. Age', 'Urban Pop %', 'World Share'],
      dtype='object')
```

```
In [7]: #Shape of the Dataset
data.shape
```

```
Out[7]: (201, 11)
```

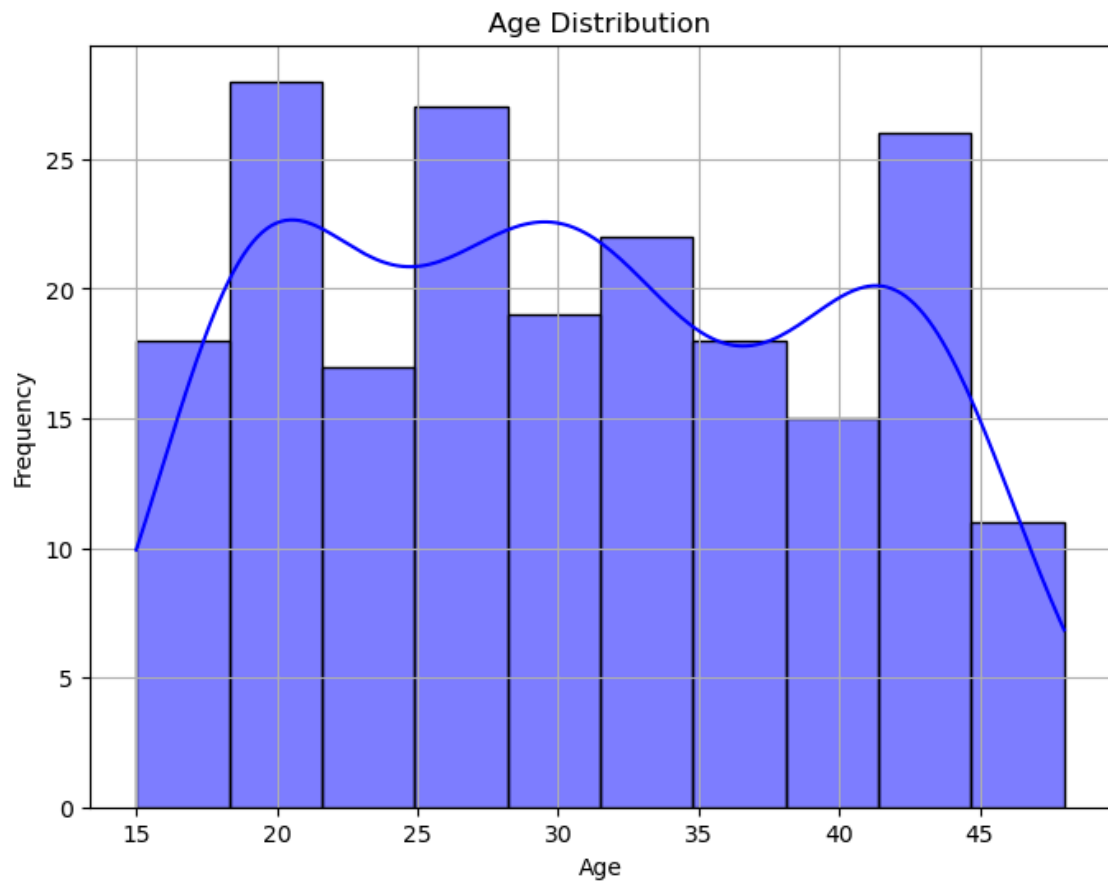
```
In [8]: #Information about the Dataset
data.info()
```

```
<class 'pandas.core.frame.DataFrame'>
RangeIndex: 201 entries, 0 to 200
Data columns (total 11 columns):
 #   Column                Non-Null Count  Dtype  
---  -
 0   Country/Other         201 non-null   object 
 1   Population (2020)     201 non-null   int64  
 2   Yearly Change         201 non-null   float64 
 3   Net Change            201 non-null   int64  
 4   Density (P/Km²)       201 non-null   int64  
 5   Land Area (Km²)       201 non-null   int64  
 6   Migrants (net)        201 non-null   int64  
 7   Fert. Rate            201 non-null   float64 
 8   Med. Age              201 non-null   int64  
 9   Urban Pop %           194 non-null   float64 
10   World Share           201 non-null   float64 
dtypes: float64(4), int64(6), object(1)
memory usage: 17.4+ KB
```

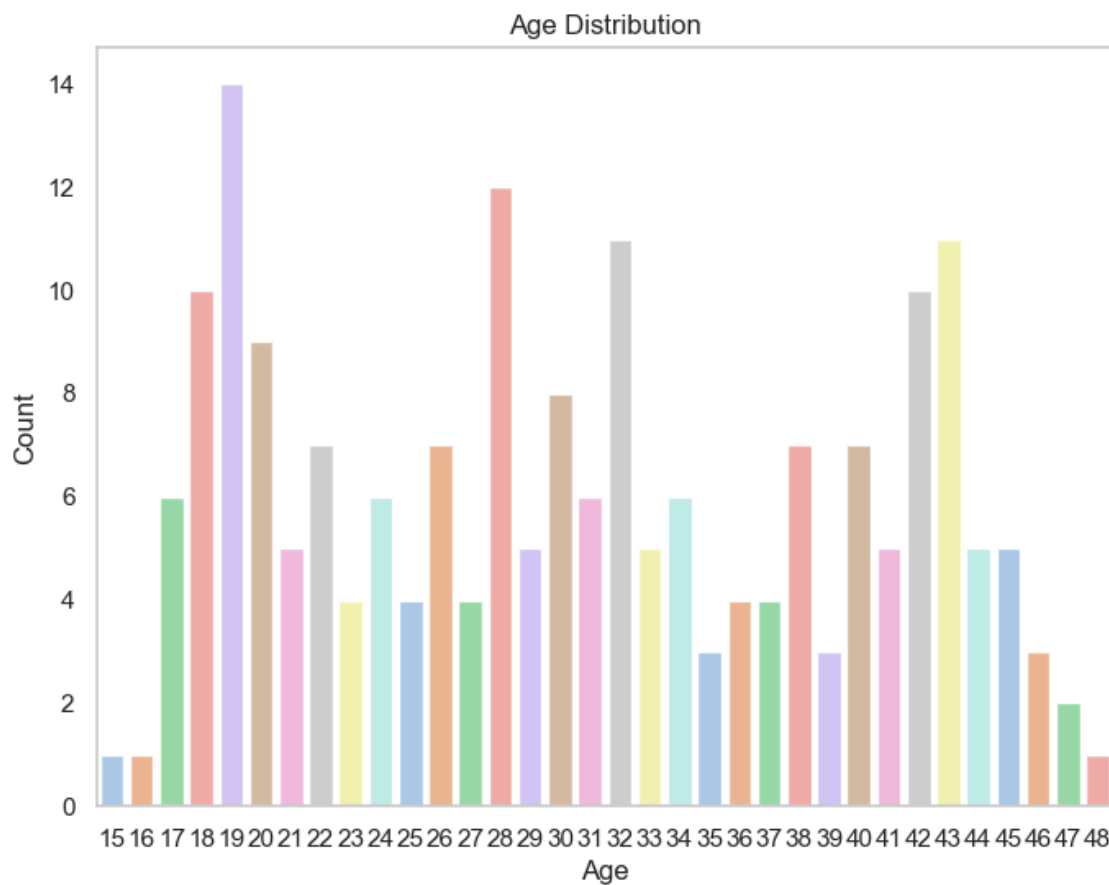
```
In [9]: #Checking for Null values
data.isnull().sum()
```

```
Out[9]: Country/Other      0
Population (2020)         0
Yearly Change             0
Net Change                0
Density (P/Km²)           0
Land Area (Km²)           0
Migrants (net)            0
Fert. Rate                0
Med. Age                  0
Urban Pop %               7
World Share               0
dtype: int64
```

```
In [10]: plt.figure(figsize=(8, 6))
sns.histplot(data['Med. Age'], bins=10, kde=True, color='blue')
plt.title('Age Distribution')
plt.xlabel('Age')
plt.ylabel('Frequency')
plt.grid(True)
plt.show()
```



```
In [16]: plt.figure(figsize=(8, 6))
sns.countplot(data=data, x='Med. Age', palette='pastel')
plt.title('Age Distribution')
plt.xlabel('Age')
plt.ylabel('Count')
plt.grid(axis='y')
plt.show()
```



```
In [ ]:
```