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✓ [1] import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

✓ ▶ data = {
 'Name': ['Ali', 'sara', 'Ahmed', 'Zara', 'Usman', 'Ayesha', 'Hamza', 'Fatima', 'Bilal', 'Mariam'],
 'Age': [23, 25, 31, 22, 28, 24, 30, 27, 26, 29],
 'Gender': ['Male', 'Female', 'Male', 'Female', 'Male', 'Female', 'Male', 'Female', 'Male', 'Female']
}

df=pd.DataFrame(data)
df

	Name	Age	Gender
0	Ali	23	Male
1	sara	25	Female
2	Ahmed	31	Male
3	Zara	22	Female
4	Usman	28	Male
5	Ayesha	24	Female
6	Hamza	30	Male
7	Fatima	27	Female
8	Bilal	26	Male

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✓ [3]

```
plt.figure(figsize=(8,5))
plt.hist(df['Age'], bins=5, color='skyblue', edgecolor='black')
plt.title('Distribution of Ages')
plt.xlabel('Age')
plt.ylabel('Frequency')
plt.show()
```

Distribution of Ages



Age Bin	Frequency
22-24	2.00
24-26	2.00
26-28	2.00
28-30	2.00
30-32	2.00

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Age

```
[4] plt.figure(figsize=(8,5))
plt.hist(df['Age'], bins=5, color='skyblue', edgecolor='black')
plt.title('Distribution of Ages')
plt.xlabel('Age')
plt.ylabel('Frequency')
plt.show()
```

Distribution of Ages

Age Bin	Frequency
22-24	2.00
24-26	2.00
26-28	2.00
28-30	2.00
30-32	2.00

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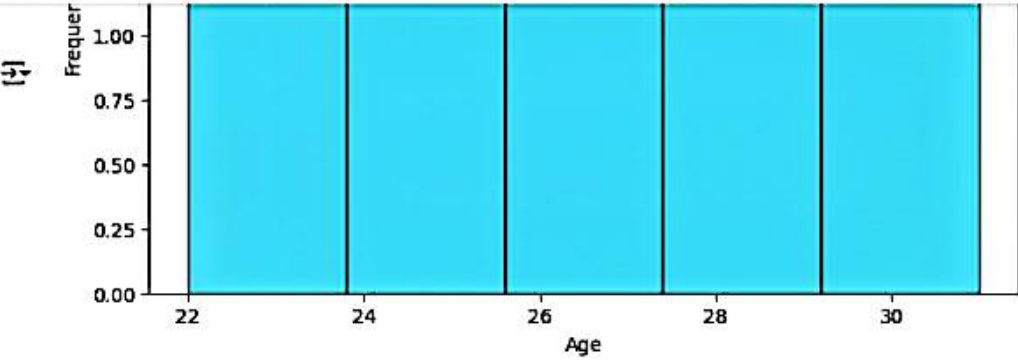
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Age	Frequency
22	1.00
24	1.00
26	1.00
28	1.00
30	1.00

```
plt.figure(figsize=(6,4))
sns.countplot(x='Gender', data=df, palette='viridis')
plt.title('Gender Distribution')
plt.xlabel('Gender')
plt.ylabel('count')
plt.show()
```

/tmp/ipython-input-7-3690640957.py:2: FutureWarning:

Passing `palette` without assigning `hue` is deprecated and will be removed in v0.14.0. Assign the `x` variable to `hue` and set `legend=False` for the same effect.

sns.countplot(x='Gender', data=df, palette='viridis')

AttributeError

Traceback (most recent call last)

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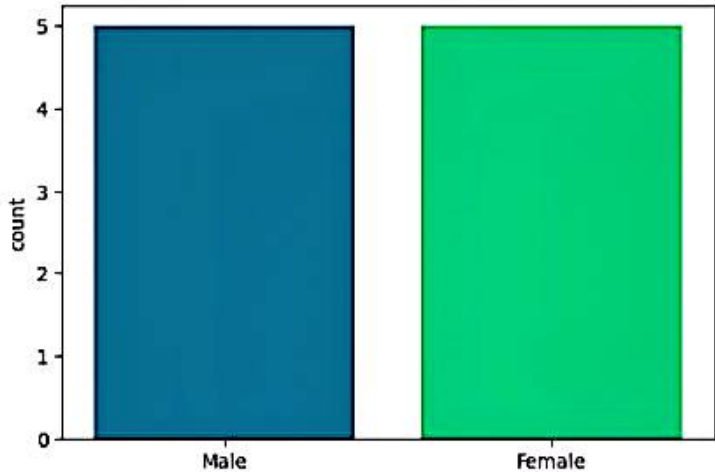
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AttributeError: module 'matplotlib.pyplot' has no attribute 'plt'

Gender Distribution



Gender	count
Male	5
Female	5

Next steps: [Explain error](#)

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