

MannanNaeem_HW3

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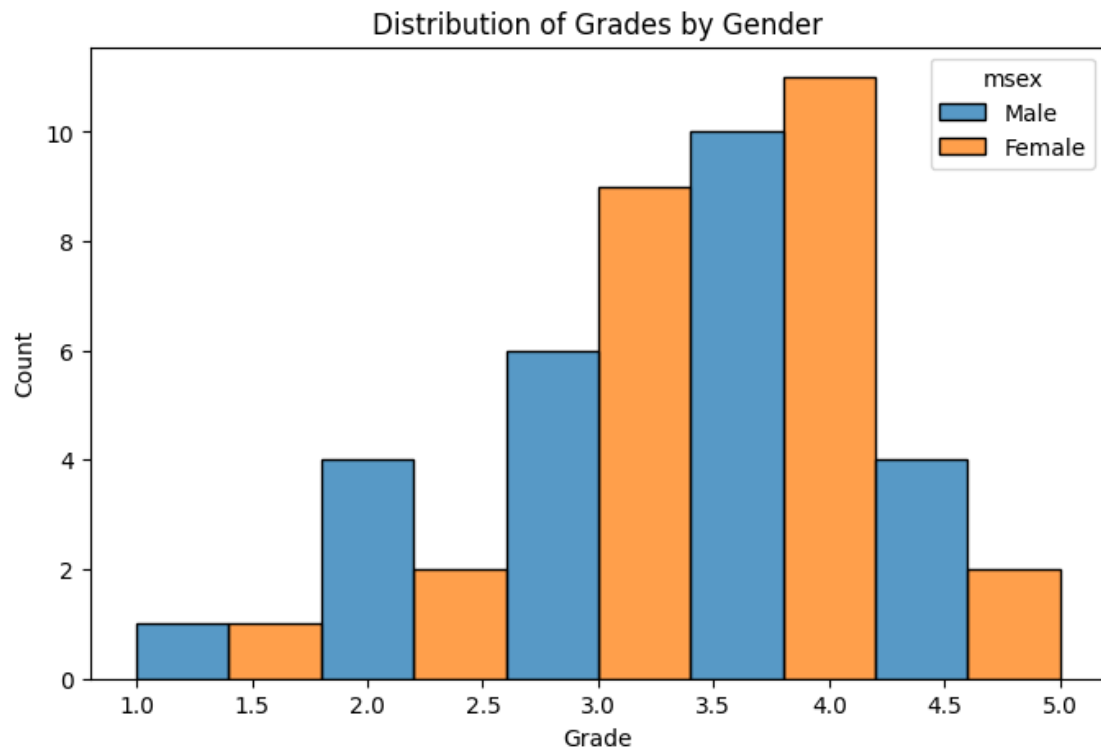
```
[31]: import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
```

```
[32]: df = pd.read_csv("Files/grade.csv")
df.head()
```

```
[32]:   id  msex  csex  grade
0   1  Male    1     3
1   2  Male    1     4
2   3  Male    1     5
3   4  Male    1     3
4   5  Male    1     2
```

```
[35]: plt.figure(figsize=(8, 5))
sns.histplot(data=df, x="grade", hue="msex", bins=5, multiple="dodge",
             edgecolor="black")

plt.title("Distribution of Grades by Gender")
plt.xlabel("Grade")
plt.ylabel("Count")
plt.show()
```



```
[37]: plt.figure(figsize=(6, 5))
sns.boxplot(data=df, x="msex", y="grade")

plt.title("Grades by Gender")
plt.xlabel("Gender")
plt.ylabel("Grade")
plt.show()
```

