Shweta_Shinde_Math_Assignment3

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MSDA, SJSU, Data 220- Math Method for DA

```
[3]: import matplotlib.pyplot as plt
import pandas as pd

#Load the file
grade = pd.read_csv(r'F:\grade.csv')
```

1.Draw histograms for "Grades" by "Gender (Male and Female)" with title, xlabel, and ylabel. (5 pts)

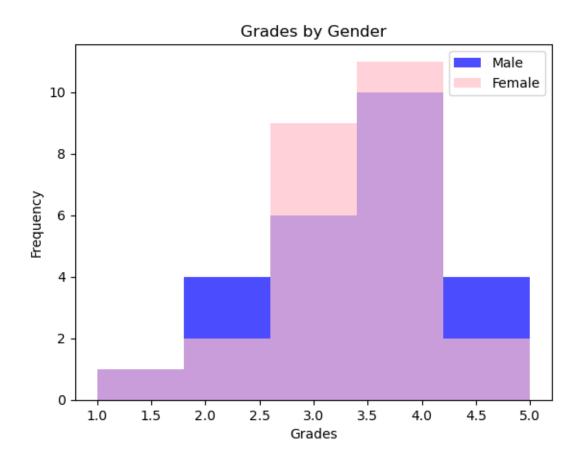
```
[7]: # Adjust column names based on your actual data
grades_male = grade[grade['msex'] == 'Male']['grade']
grades_female = grade[grade['msex'] == 'Female']['grade']

# Create histograms
plt.hist(grades_male, alpha=0.7, label='Male', bins=5, color='blue')
plt.hist(grades_female, alpha=0.7, label='Female', bins=5, color='pink')

# Add titles and labels
plt.title('Grades by Gender')
plt.xlabel('Grades')
plt.ylabel('Frequency')

# Add legend
plt.legend()

# Show plot
plt.show()
```



2.Draw a box plot of Grades by Gender (Male and Female) on the same figure with title, xlabel, and ylabel included. (5 pts)

