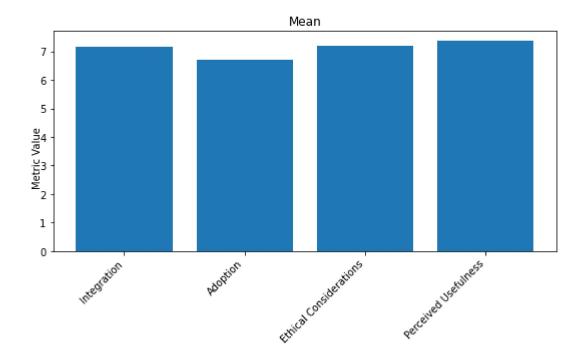
```
In [2]:
            import pandas as pd
            import matplotlib.pyplot as plt
            data = pd.read csv("data.csv")
            mean = data.mean()
            mean_question_group_1 = mean.iloc[:3]
            mean_question_group_2 = mean.iloc[3:6]
            mean_question_group_3 = mean.iloc[6:9]
            mean question group 4 = mean.iloc[9:12]
            median = data.median()
            median question group 1 = median.iloc[:3]
            median_question_group_2 = median.iloc[3:6]
            median_question_group_3 = median.iloc[6:9]
            median_question_group_4 = median.iloc[9:12]
            std = data.std()
            std question group 1 = std.iloc[:3]
            std_question_group_2 = std.iloc[3:6]
            std_question_group_3 = std.iloc[6:9]
            std_question_group_4 = std.iloc[9:12]
            variance = data.var()
            variance_question_group_1 = variance.iloc[:3]
            variance_question_group_2 = variance.iloc[3:6]
            variance_question_group_3 = variance.iloc[6:9]
            variance_question_group_4 = variance.iloc[9:12]
            mean_data = [mean_question_group_1, mean_question_group_2, mean_question_g
            median_data = [median_question_group_1, median_question_group_2, median_ql
            std_data = [std_question_group_1, std_question_group_2, std_question_group_
            variance_data = [variance_question_group_1, variance_question_group_2, var
            labels = ['Integration', 'Adoption', 'Ethical Considerations', 'Perceived
            fig1, ax1 = plt.subplots(figsize=(8,6))
            fig2, ax2 = plt.subplots(figsize=(8,6))
            fig3, ax3 = plt.subplots(figsize=(8,6))
            fig4, ax4 = plt.subplots(figsize=(8,6))
            ax1.bar(labels, [data.mean() for data in mean_data])
            ax1.set_title('Mean')
            ax2.bar(labels, [data.median() for data in median data])
            ax2.set_title('Median')
            ax3.bar(labels, [data.std() for data in std data])
            ax3.set title('Standard Deviation')
            ax4.bar(labels, [data.var() for data in variance data])
            ax4.set_title('Variance')
            fig1.text(0.04, 0.5, 'Metric Value', va='center', rotation='vertical')
            fig2.text(0.04, 0.5, 'Metric Value', va='center', rotation='vertical')
            fig3.text(0.04, 0.5, 'Metric Value', va='center', rotation='vertical')
            fig4.text(0.04, 0.5, 'Metric Value', va='center', rotation='vertical')
            for ax in [ax1, ax2, ax3, ax4]:
                ax.set_xticklabels(labels, rotation=45, ha='right')
```

```
ax.axhline(0, color='grey', lw=1)

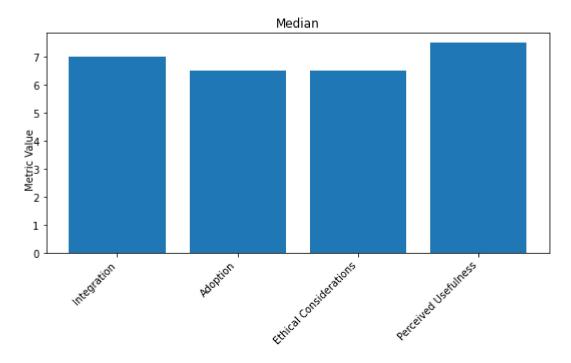
fig1.suptitle('Comparison of Mean by Question Group')
fig1.tight_layout(pad=3.0)
fig2.suptitle('Comparison of Median by Question Group')
fig2.tight_layout(pad=3.0)
fig3.suptitle('Comparison of Standard Deviation by Question Group')
fig3.tight_layout(pad=3.0)
fig4.suptitle('Comparison of Variance by Question Group')
fig4.tight_layout(pad=3.0)
plt.show()
```

C:\Users\manoj\AppData\Local\Temp\ipykernel_13420\2011223204.py:57: User
Warning: FixedFormatter should only be used together with FixedLocator
ax.set_xticklabels(labels, rotation=45, ha='right')

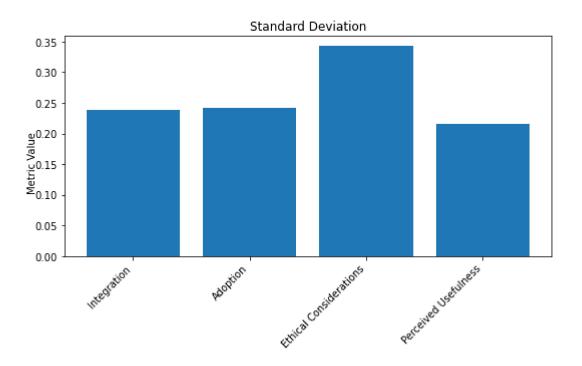
Comparison of Mean by Question Group



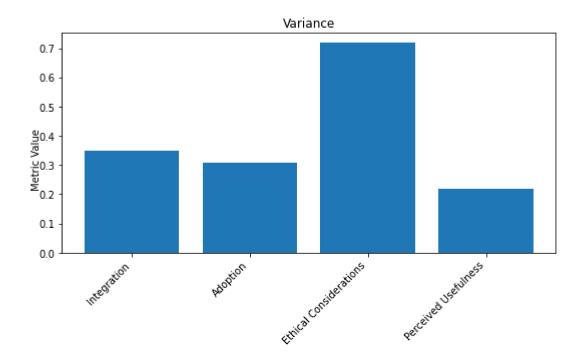
Comparison of Median by Question Group



Comparison of Standard Deviation by Question Group



Comparison of Variance by Question Group



In []: ****