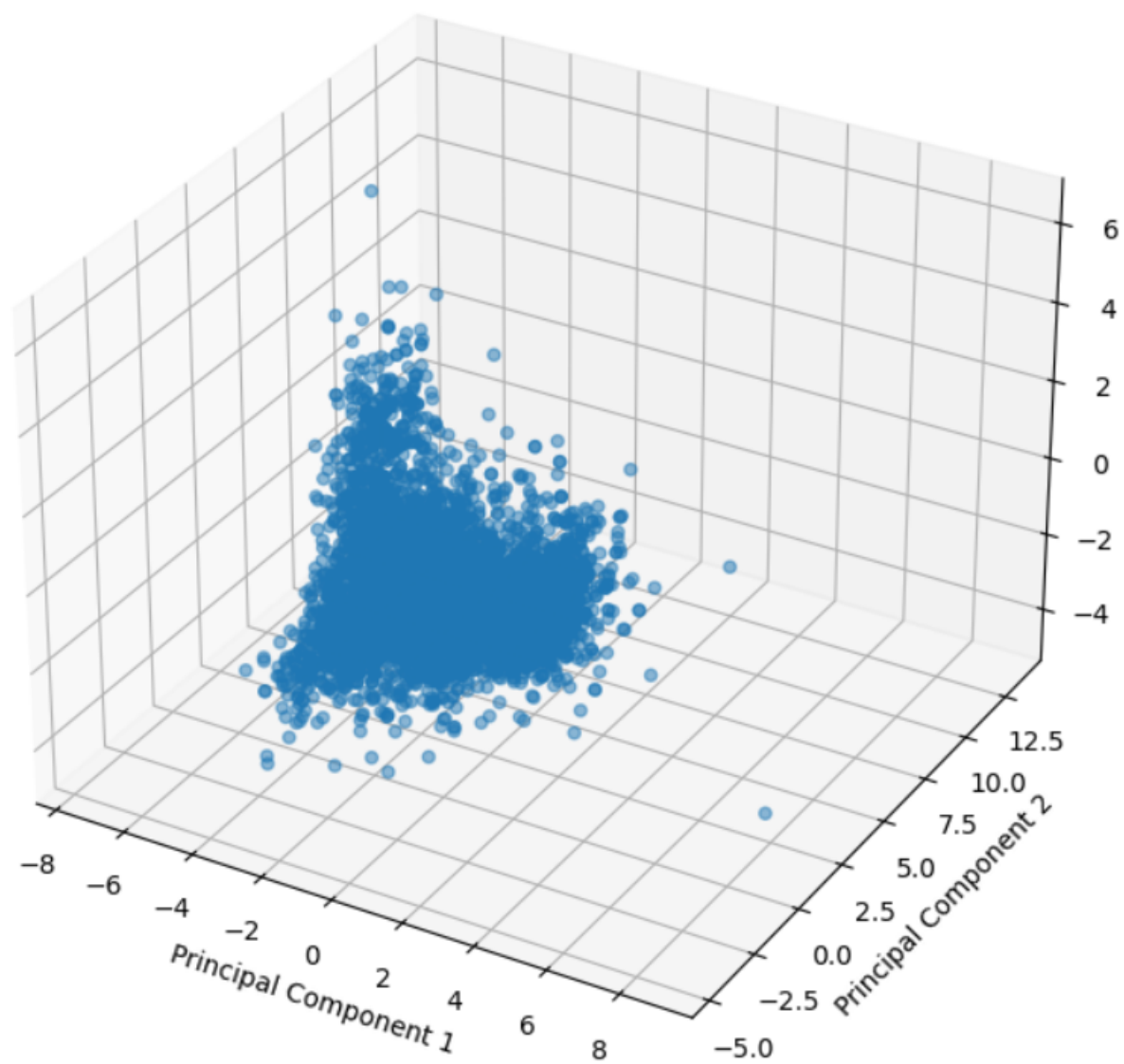Explained Variance by Components: [0.2754426 0.22671146 0.14148609]

```
C:\Users\A\AppData\Local\Temp\ipykernel_26552\886845451.py:14: UserWarning: No data for colormapping provided via 'c'. Parameters 'cmap' will be ignored
    plt.scatter(X_pca[:, 0], X_pca[:, 1], alpha=0.5, cmap="coolwarm")
```


PCA: Wine Quality Dataset (2D)

PCA: Wine Quality Dataset (3D)

t-SNE: Wine Quality Dataset (2D)