

## Results

 Model: Random Forest

 Accuracy: 38.00%

 Classification Report:

	precision	recall	f1-score	support
0	0.00	0.00	0.00	19
1	0.37	0.50	0.42	84
2	0.41	0.35	0.38	97
accuracy			0.38	200
macro avg	0.26	0.28	0.27	200
weighted avg	0.36	0.38	0.36	200

 Model: Decision Tree

 Accuracy: 40.50%

 Classification Report:


	precision	recall	f1-score	support
0	0.07	0.11	0.09	19
1	0.45	0.42	0.43	84
2	0.47	0.45	0.46	97
accuracy			0.41	200
macro avg	0.33	0.33	0.33	200
weighted avg	0.42	0.41	0.41	200

 Model: K-Nearest Neighbors

 Accuracy: 37.50%

 Classification Report:

	precision	recall	f1-score	support
0	0.06	0.05	0.06	19
1	0.41	0.56	0.47	84
2	0.40	0.28	0.33	97
accuracy			0.38	200
macro avg	0.29	0.30	0.28	200
weighted avg	0.37	0.38	0.36	200

 Model: XGBoost

 Accuracy: 34.00%

 Classification Report:

	precision	recall	f1-score	support
0	0.00	0.00	0.00	19
1	0.34	0.49	0.40	84
2	0.36	0.28	0.32	97
accuracy			0.34	200
macro avg	0.24	0.26	0.24	200
weighted avg	0.32	0.34	0.32	200