

ABALATION TABLES: RANDOM FOREST

Pipeline: [zerosubgrpmean]-[smotenc]

n_jobs=1

random_state=207

Note: from sk classification_report: macro avg metrics

| n_estimators | max_depth | max_features | training | | | validation | | |
|--------------|-----------|--------------|-----------------|--------------|----------|---------------|------------|--------|
| | | | precision_train | recall_train | f1_train | precision_val | recall_val | f1_val |
| 10 | 8 | sqrt | 0.63 | 0.63 | 0.62 | 0.27 | 0.49 | 0.25 |
| 50 | 8 | sqrt | 0.64 | 0.64 | 0.63 | 0.27 | 0.50 | 0.25 |
| 10 | 25 | sqrt | 0.99 | 0.99 | 0.99 | 0.29 | 0.37 | 0.31 |
| 50 | 25 | sqrt | 1.00 | 1.00 | 1.00 | 0.31 | 0.37 | 0.32 |
| 75 | 25 | sqrt | 1.00 | 1.00 | 1.00 | 0.31 | 0.37 | 0.33 |
| 50 | 25 | log2 | 0.99 | 0.99 | 0.99 | 0.30 | 0.38 | 0.32 |
| 100 | 25 | log2 | 0.99 | 0.99 | 0.99 | 0.30 | 0.38 | 0.32 |
| 100 | none | sqrt | 1.00 | 1.00 | 1.00 | 0.35 | 0.33 | 0.33 |

Pipeline: [zerosubgrpmean]-[none (imbalance)]

n_jobs=1

random_state=207

Note: from sk classification_report: macro avg metrics

| n_estimators | max_depth | max_features | training | | | validation | | |
|--------------|-----------|--------------|-----------------|--------------|----------|---------------|------------|--------|
| | | | precision_train | recall_train | f1_train | precision_val | recall_val | f1_val |
| 10 | 8 | sqrt | 0.24 | 0.25 | 0.25 | 0.24 | 0.25 | 0.25 |
| 100 | none | sqrt | 1.00 | 1.00 | 1.00 | 0.43 | 0.27 | 0.28 |
| 150 | none | sqrt | 1.00 | 1.00 | 1.00 | 0.42 | 0.27 | 0.28 |
| 200 | none | sqrt | 1.00 | 1.00 | 1.00 | 0.40 | 0.26 | 0.27 |
| 100 | 25 | sqrt | 1.00 | 0.89 | 0.93 | 0.38 | 0.26 | 0.26 |
| 100 | 50 | sqrt | 1.00 | 1.00 | 1.00 | 0.42 | 0.27 | 0.28 |
| 100 | none | log2 | 1.00 | 1.00 | 1.00 | 0.41 | 0.26 | 0.27 |
| 150 | none | log2 | 1.00 | 1.00 | 1.00 | 0.40 | 0.26 | 0.27 |
| 200 | none | log2 | 1.00 | 1.00 | 1.00 | 0.41 | 0.26 | 0.27 |
| 100 | 25 | log2 | 1.00 | 0.83 | 0.89 | 0.41 | 0.26 | 0.26 |
| 100 | 50 | log2 | 1.00 | 1.00 | 1.00 | 0.42 | 0.26 | 0.27 |