

Confusion Matrices for Confirmation Set Models

A

Sequential, Full Set

| Prediction | HGSC | CCOC | ENOC | LGSC | MUC |
|------------|------|------|------|------|-----|
| | 400 | 10 | 43 | 5 | 4 |
| | 8 | 64 | 7 | 0 | 0 |
| | 4 | 1 | 49 | 2 | 4 |
| | 4 | 0 | 2 | 4 | 0 |
| | 6 | 0 | 5 | 2 | 19 |
| Truth | | | | | |
| | | | | | |

B

Sequential, Optimal Set

| Prediction | HGSC | CCOC | ENOC | LGSC | MUC |
|------------|------|------|------|------|-----|
| | 402 | 10 | 49 | 5 | 3 |
| | 8 | 63 | 10 | 1 | 2 |
| | 4 | 2 | 42 | 2 | 6 |
| | 2 | 0 | 1 | 5 | 0 |
| | 6 | 0 | 4 | 0 | 16 |
| Truth | | | | | |
| | | | | | |

C

SMOTE–Random Forest, Full Set

| Prediction | HGSC | CCOC | ENOC | LGSC | MUC |
|------------|------|------|------|------|-----|
| | 406 | 9 | 48 | 6 | 4 |
| | 6 | 65 | 3 | 1 | 0 |
| | 3 | 1 | 48 | 1 | 4 |
| | 3 | 0 | 1 | 4 | 0 |
| | 4 | 0 | 6 | 1 | 19 |
| Truth | | | | | |
| | | | | | |

D

SMOTE–Random Forest, Optimal Set

| Prediction | HGSC | CCOC | ENOC | LGSC | MUC |
|------------|------|------|------|------|-----|
| | 404 | 10 | 43 | 6 | 3 |
| | 7 | 64 | 3 | 1 | 0 |
| | 4 | 1 | 53 | 1 | 3 |
| | 4 | 0 | 0 | 5 | 0 |
| | 3 | 0 | 7 | 0 | 21 |
| Truth | | | | | |
| | | | | | |