

| <i>Data Class</i> | | | | | | |
|-------------------|-----------------|------|------|----------------------|------|------|
| | Rank by F-Score | | | Rank by 1 - Norm DtH | | |
| | Rank | Med | IQR | Rank | Med | IQR |
| RAND | 3 | 0.27 | 0.09 | 2 | 0.48 | 0.10 |
| ONER | 2 | 0.31 | 0.25 | 3 | 0.43 | 0.15 |
| NB | 2 | 0.33 | 0.08 | 1 | 0.58 | 0.08 |
| NB-CFS | 2 | 0.35 | 0.09 | 1 | 0.55 | 0.09 |
| NB-DTF | 3 | 0.27 | 0.25 | 3 | 0.43 | 0.14 |
| NB-SVMF | 2 | 0.31 | 0.15 | 3 | 0.43 | 0.12 |
| SVM | 4 | 0.00 | 0.00 | 4 | 0.29 | 0.00 |
| SVM-CFS | 4 | 0.00 | 0.00 | 4 | 0.29 | 0.00 |
| SVM-DTF | 2 | 0.31 | 0.25 | 3 | 0.43 | 0.14 |
| SVM-SVMF | 2 | 0.33 | 0.18 | 3 | 0.43 | 0.08 |
| CART | 1 | 0.36 | 0.14 | 1 | 0.56 | 0.10 |
| CART-CFS | 1 | 0.42 | 0.19 | 1 | 0.57 | 0.17 |
| CART-DTF | 2 | 0.33 | 0.25 | 3 | 0.43 | 0.18 |
| CART-SVMF | 1 | 0.40 | 0.21 | 1 | 0.57 | 0.15 |
| RF | 3 | 0.22 | 0.24 | 3 | 0.43 | 0.18 |
| RF-CFS | 2 | 0.33 | 0.22 | 2 | 0.50 | 0.13 |
| RF-DTF | 2 | 0.33 | 0.26 | 3 | 0.43 | 0.15 |
| RF-SVMF | 1 | 0.40 | 0.11 | 1 | 0.54 | 0.07 |

| <i>God Class</i> | | | | | | |
|------------------|-----------------|------|------|----------------------|------|------|
| | Rank by F-Score | | | Rank by 1 - Norm DtH | | |
| | Rank | Med | IQR | Rank | Med | IQR |
| RAND | 4 | 0.36 | 0.08 | 5 | 0.49 | 0.08 |
| ONER | 1 | 0.68 | 0.06 | 1 | 0.80 | 0.05 |
| NB | 2 | 0.59 | 0.14 | 2 | 0.72 | 0.09 |
| NB-CFS | 2 | 0.56 | 0.13 | 2 | 0.69 | 0.15 |
| NB-DTF | 3 | 0.45 | 0.18 | 4 | 0.54 | 0.19 |
| NB-SVMF | 3 | 0.51 | 0.17 | 3 | 0.62 | 0.18 |
| SVM | 6 | 0.00 | 0.00 | 7 | 0.29 | 0.00 |
| SVM-CFS | 6 | 0.00 | 0.00 | 7 | 0.29 | 0.00 |
| SVM-DTF | 6 | 0.00 | 0.11 | 7 | 0.29 | 0.05 |
| SVM-SVMF | 3 | 0.45 | 0.19 | 4 | 0.54 | 0.13 |
| CART | 1 | 0.69 | 0.10 | 1 | 0.78 | 0.12 |
| CART-CFS | 3 | 0.50 | 0.24 | 4 | 0.59 | 0.20 |
| CART-DTF | 1 | 0.76 | 0.17 | 1 | 0.84 | 0.17 |
| CART-SVMF | 2 | 0.59 | 0.12 | 3 | 0.67 | 0.12 |
| RF | 5 | 0.22 | 0.13 | 6 | 0.42 | 0.09 |
| RF-CFS | 5 | 0.25 | 0.18 | 6 | 0.44 | 0.14 |
| RF-DTF | 2 | 0.56 | 0.33 | 3 | 0.66 | 0.20 |
| RF-SVMF | 3 | 0.44 | 0.17 | 4 | 0.57 | 0.15 |

| <i>Feature Envy</i> | | | | | | |
|---------------------|-----------------|------|------|----------------------|------|------|
| | Rank by F-Score | | | Rank by 1 - Norm DtH | | |
| | Rank | Med | IQR | Rank | Med | IQR |
| RAND | 3 | 0.34 | 0.10 | 3 | 0.48 | 0.09 |
| ONER | 1 | 0.69 | 0.11 | 1 | 0.79 | 0.12 |
| NB | 2 | 0.48 | 0.07 | 2 | 0.61 | 0.09 |
| NB-CFS | 2 | 0.48 | 0.18 | 2 | 0.61 | 0.12 |
| NB-DTF | 4 | 0.15 | 0.19 | 5 | 0.35 | 0.12 |
| NB-SVMF | 3 | 0.33 | 0.29 | 3 | 0.48 | 0.21 |
| SVM | 6 | 0.00 | 0.00 | 7 | 0.27 | 0.01 |
| SVM-CFS | 6 | 0.09 | 0.12 | 6 | 0.32 | 0.07 |
| SVM-DTF | 6 | 0.00 | 0.13 | 6 | 0.29 | 0.06 |
| SVM-SVMF | 5 | 0.13 | 0.27 | 5 | 0.35 | 0.13 |
| CART | 5 | 0.13 | 0.09 | 5 | 0.35 | 0.07 |
| CART-CFS | 6 | 0.10 | 0.15 | 6 | 0.33 | 0.07 |
| CART-DTF | 5 | 0.11 | 0.20 | 5 | 0.34 | 0.11 |
| CART-SVMF | 6 | 0.08 | 0.11 | 6 | 0.32 | 0.06 |
| RF | 4 | 0.17 | 0.15 | 5 | 0.38 | 0.12 |
| RF-CFS | 4 | 0.21 | 0.12 | 4 | 0.41 | 0.09 |
| RF-DTF | 5 | 0.13 | 0.15 | 5 | 0.35 | 0.08 |
| RF-SVMF | 5 | 0.12 | 0.12 | 5 | 0.35 | 0.08 |

| <i>Long Method</i> | | | | | | |
|--------------------|-----------------|------|------|----------------------|------|------|
| | Rank by F-Score | | | Rank by 1 - Norm DtH | | |
| | Rank | Med | IQR | Rank | Med | IQR |
| RAND | 1 | 0.31 | 0.07 | 1 | 0.49 | 0.10 |
| ONER | 3 | 0.00 | 0.00 | 3 | 0.29 | 0.00 |
| NB | 1 | 0.24 | 0.10 | 1 | 0.43 | 0.09 |
| NB-CFS | 2 | 0.21 | 0.17 | 1 | 0.42 | 0.09 |
| NB-DTF | 2 | 0.13 | 0.29 | 2 | 0.34 | 0.08 |
| NB-SVMF | 3 | 0.00 | 0.10 | 3 | 0.29 | 0.05 |
| SVM | 3 | 0.00 | 0.00 | 3 | 0.28 | 0.02 |
| SVM-CFS | 3 | 0.00 | 0.00 | 3 | 0.28 | 0.01 |
| SVM-DTF | 3 | 0.00 | 0.00 | 3 | 0.29 | 0.00 |
| SVM-SVMF | 3 | 0.00 | 0.00 | 3 | 0.29 | 0.00 |
| CART | 3 | 0.00 | 0.00 | 3 | 0.28 | 0.01 |
| CART-CFS | 3 | 0.00 | 0.00 | 3 | 0.28 | 0.01 |
| CART-DTF | 3 | 0.00 | 0.00 | 3 | 0.29 | 0.00 |
| CART-SVMF | 3 | 0.00 | 0.00 | 3 | 0.28 | 0.01 |
| RF | 3 | 0.00 | 0.00 | 3 | 0.28 | 0.01 |
| RF-CFS | 3 | 0.00 | 0.00 | 3 | 0.28 | 0.01 |
| RF-DTF | 3 | 0.00 | 0.00 | 3 | 0.29 | 0.00 |
| RF-SVMF | 3 | 0.00 | 0.00 | 3 | 0.28 | 0.01 |