

PS10 Garcia

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| Optimal Values | | | | | |
|---------------------------|-------------|---------------------|-----------------|------------------|-----------|
| Resample | Tree Models | Logistic Regression | Neural Networks | Nearest Neighbor | SVM |
| iter 1 | 0.6396959 | 0.6614031 | | 0.7421221 | 0.7295901 |
| iter 2 | 0.6555495 | 0.6630452 | | 0.7519867 | 0.7517015 |
| iter 3 | 0.6781261 | 0.6554312 | | 0.7452394 | 0.7507387 |
| Aggregated Result (gmean) | 0.6577905 | 0.6599598 | | 0.7464494 | 0.7440101 |

How does each algorithm's out-of-sample performances compare with each of the other algorithms?

| Out-of-sample Performance | | | | | | |
|---------------------------|-------------|---------------------|-----------------|-------------|------------------|-----------|
| Prediction | Tree Models | Logistic Regression | Neural Networks | Naive Bayes | Nearest Neighbor | SVM |
| f1 | 0.8968421 | 0.8989687 | | 0.8974512 | 0.8797084 | 0.9042374 |
| gmean | 0.6730932 | 0.6741493 | | 0.7535323 | 0.7416732 | 0.7638021 |