

| Model | Class 0 | | | Class 1 | | |
|--------------------------------|-----------|--------|------|-----------|--------|------|
| | Precision | Recall | F1 | Precision | Recall | F1 |
| Baseline | | | | | | |
| Logistic Regression | 0.93 | 0.96 | 0.94 | 0.62 | 0.48 | 0.54 |
| KNN | 0.91 | 0.99 | 0.95 | 0.78 | 0.3 | 0.43 |
| Decision Tree | 0.93 | 0.89 | 0.91 | 0.4 | 0.53 | 0.46 |
| Random Forest | 0.93 | 0.95 | 0.94 | 0.58 | 0.51 | 0.54 |
| SVC | 0.93 | 0.92 | 0.92 | 0.46 | 0.51 | 0.48 |
| Add date of enrollment | | | | | | |
| Logistic Regression | 0.93 | 0.95 | 0.94 | 0.6 | 0.52 | 0.55 |
| KNN | 0.91 | 0.98 | 0.95 | 0.72 | 0.31 | 0.44 |
| Decision Tree | 0.94 | 0.88 | 0.91 | 0.4 | 0.58 | 0.47 |
| Random Forest | 0.92 | 0.97 | 0.95 | 0.66 | 0.42 | 0.51 |
| SVC | 0.94 | 0.91 | 0.92 | 0.48 | 0.59 | 0.53 |
| Group education | | | | | | |
| Logistic Regression | 0.93 | 0.95 | 0.94 | 0.57 | 0.49 | 0.53 |
| KNN | 0.92 | 0.99 | 0.95 | 0.79 | 0.36 | 0.5 |
| Decision Tree | 0.92 | 0.93 | 0.93 | 0.48 | 0.46 | 0.47 |
| Random Forest | 0.93 | 0.95 | 0.94 | 0.58 | 0.47 | 0.52 |
| SVC | 0.93 | 0.93 | 0.93 | 0.51 | 0.52 | 0.51 |
| Random Oversampling | | | | | | |
| Logistic Regression | 0.97 | 0.82 | 0.89 | 0.38 | 0.8 | 0.52 |
| KNN | 0.92 | 0.92 | 0.92 | 0.43 | 0.41 | 0.42 |
| Decision Tree | 0.94 | 0.85 | 0.89 | 0.36 | 0.6 | 0.45 |
| Random Forest | 0.95 | 0.92 | 0.93 | 0.53 | 0.63 | 0.57 |
| SVC | 0.94 | 0.92 | 0.93 | 0.51 | 0.55 | 0.53 |
| SMOTE | | | | | | |
| Logistic Regression | 0.97 | 0.83 | 0.89 | 0.4 | 0.82 | 0.54 |
| KNN | 0.93 | 0.89 | 0.91 | 0.39 | 0.49 | 0.44 |
| Decision Tree | 0.94 | 0.86 | 0.9 | 0.4 | 0.64 | 0.49 |
| Random Forest | 0.94 | 0.94 | 0.94 | 0.58 | 0.55 | 0.57 |
| SVC | 0.93 | 0.91 | 0.92 | 0.43 | 0.49 | 0.46 |
| Random Undersampling | | | | | | |
| Logistic Regression | 0.97 | 0.8 | 0.88 | 0.37 | 0.83 | 0.51 |
| KNN | 0.93 | 0.9 | 0.92 | 0.43 | 0.55 | 0.49 |
| Decision Tree | 0.95 | 0.73 | 0.83 | 0.28 | 0.75 | 0.41 |
| Random Forest | 0.97 | 0.81 | 0.89 | 0.39 | 0.84 | 0.53 |
| SVC | 0.96 | 0.8 | 0.88 | 0.36 | 0.78 | 0.49 |
| Near-Miss Undersampling | | | | | | |
| Logistic Regression | 0.96 | 0.83 | 0.89 | 0.38 | 0.73 | 0.5 |
| KNN | 0.9 | 0.77 | 0.83 | 0.2 | 0.4 | 0.26 |
| Decision Tree | 0.94 | 0.8 | 0.87 | 0.31 | 0.64 | 0.42 |
| Random Forest | 0.95 | 0.84 | 0.89 | 0.38 | 0.7 | 0.5 |
| SVC | 0.95 | 0.83 | 0.89 | 0.37 | 0.71 | 0.49 |