# Diabetes Classification Results Overview

## Results for RandomForest (Seed 42)

ROC AUC Score: 0.8593493044135294

Document saved as: RandomForest\_Supervised/RandomForest\_seed\_42\_supervised.docx

## Results for GradientBoosting (Seed 42)

ROC AUC Score: 0.849148851060047

Document saved as: GradientBoosting\_Supervised/GradientBoosting\_seed\_42\_supervised.docx

## Results for AdaBoost (Seed 42)

ROC AUC Score: 0.8307035868260813

Document saved as: AdaBoost\_Supervised/AdaBoost\_seed\_42\_supervised.docx

## Results for LogisticRegression (Seed 42)

ROC AUC Score: 0.8338592826347837

Document saved as: LogisticRegression\_Supervised/LogisticRegression\_seed\_42\_supervised.docx

## Results for SVC (Seed 42)

ROC AUC Score: 0.8297257655895818

Document saved as: SVC\_Supervised/SVC\_seed\_42\_supervised.docx

## Results for RandomForest (Seed 123)

ROC AUC Score: 0.8785803237858033

Document saved as: RandomForest\_Supervised/RandomForest\_seed\_123\_supervised.docx

## Results for GradientBoosting (Seed 123)

ROC AUC Score: 0.8675947340330903

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## Results for AdaBoost (Seed 123)

ROC AUC Score: 0.8336817292296744

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## Results for LogisticRegression (Seed 123)

ROC AUC Score: 0.8296121686532645

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## Results for SVC (Seed 123)

ROC AUC Score: 0.8436666073652376

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## Results for RandomForest (Seed 456)

ROC AUC Score: 0.8787070383709039

Document saved as: RandomForest\_Supervised/RandomForest\_seed\_456\_supervised.docx

## Results for GradientBoosting (Seed 456)

ROC AUC Score: 0.8495842781557067

Document saved as: GradientBoosting\_Supervised/GradientBoosting\_seed\_456\_supervised.docx

## Results for AdaBoost (Seed 456)

ROC AUC Score: 0.8132808679027166

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## Results for LogisticRegression (Seed 456)

ROC AUC Score: 0.8152594371081766

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## Results for SVC (Seed 456)

ROC AUC Score: 0.8205282112845137

Document saved as: SVC\_Supervised/SVC\_seed\_456\_supervised.docx