📊 **Student DropOff & Engagement Prediction App**

Upload your cleaned CSV dataset

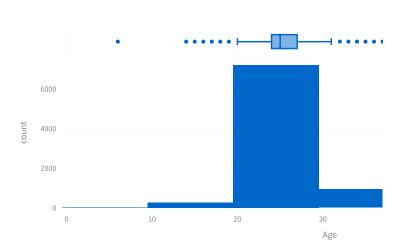| ☁️	**Drag and drop file here** Limit 200MB per file • CSV		Browse files

📄	cleaned_slu_opportunity_data.csv 2.2MB	✕

> ✅ Data Loaded Successfully!

🔍 Data Preview

	Learner SignUp DateTime	Opportunity Id	Opportunity Name	Opportunity Category	Opportunity End D
0	2023-06-14 12:30:35	00000000-0GN2-A0AY-7XK8-C5FZPP	Career Essentials: Getting Started With Your Professional Journey	Course	2024-06-29 18:52:3
1	2023-05-01 05:29:16	00000000-0GN2-A0AY-7XK8-C5FZPP	Career Essentials: Getting Started With Your Professional Journey	Course	2024-06-29 18:52:3
2	2023-04-09 20:35:08	00000000-0GN2-A0AY-7XK8-C5FZPP	Career Essentials: Getting Started With Your Professional Journey	Course	2024-06-29 18:52:3
3	2023-08-29 05:20:03	00000000-0GN2-A0AY-7XK8-C5FZPP	Career Essentials: Getting Started With Your Professional Journey	Course	2024-06-29 18:52:3
4	2023-01-06 15:26:36	00000000-0GN2-A0AY-7XK8-C5FZPP	Career Essentials: Getting Started With Your Professional Journey	Course	2024-06-29 18:52:3

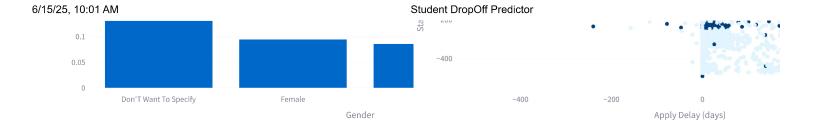## 📈 Interactive EDA

Status Distribution

Age Distribution

DropOff Rate by Gender

Apply vs Start Delay by DropOff

Student DropOff Predictor

⚙️ Model Configuration + Training

Test size (%)

```
                                                          26
10                                                                            50
```

Choose model

```
Random Forest                                                             ⌄
```

Number of trees

```
                       150
50                                                                           500
```

Max depth

```
                                      9
2                                                                            20
```

🚀 Train Model

📊 Evaluation Metrics

Accuracy: 1.00

Classification Report

precision   recall f1-score   support

```
         0     1.00    1.00    1.00     2015
         1     1.00    1.00    1.00      211

    accuracy                    1.00     2226
   macro avg    1.00    1.00    1.00     2226
weighted avg    1.00    1.00    1.00     2226
```
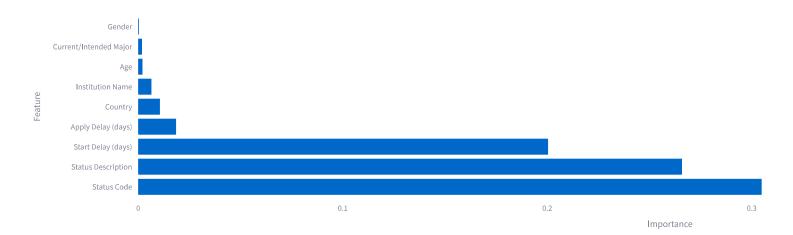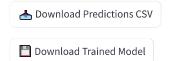
🔑 Feature Importance

Feature Importance

⛏ Download Predictions CSV

💾 Download Trained Model

💥 Predict with Saved Model

Upload saved model (.pkl)

| ☁ | Drag and drop file here
Limit 200MB per file • PKL | Browse files |