Employee Attrition Analysis & Prediction Report

Dataset Overview

Rows	1470
Columns	32
Attrition Rate (%)	16.12

Project Summary

Green Destinations — Attrition Analysis Summary
- Rows: 1470
- Columns: 32
- Attrition Rate: 16.12%
Model (Logistic Regression)
- Features used: Age, YearsAtCompany, MonthlyIncome
- Accuracy: 0.840
Quick Interpretation
- Positive coefficient => higher value increases odds of leaving
- Negative coefficient => higher value decreases odds of leaving
Coefficients (standardized):
Age -0.367
YearsAtCompany -0.399
MonthlyIncome -0.216
Check `outputs/` for figures and detailed metrics.

Model Metrics

```
Logistic Regression — Features: Age, YearsAtCompany, MonthlyIncome
Accuracy: 0.840
Confusion Matrix [ [TN FP]
[FN TP] ]
[[247 0]
[ 47 0]]
Classification Report:
precision recall f1-score support
0 0.840 1.000 0.913 247
1 0.000 0.000 0.000 47
accuracy 0.840 294
macro avg 0.420 0.500 0.457 294
weighted avg 0.706 0.840 0.767 294
```

Logistic Regression Coefficients

Logistic Regression Coefficients