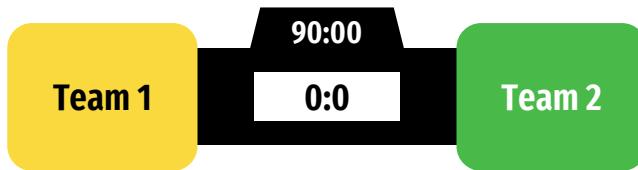




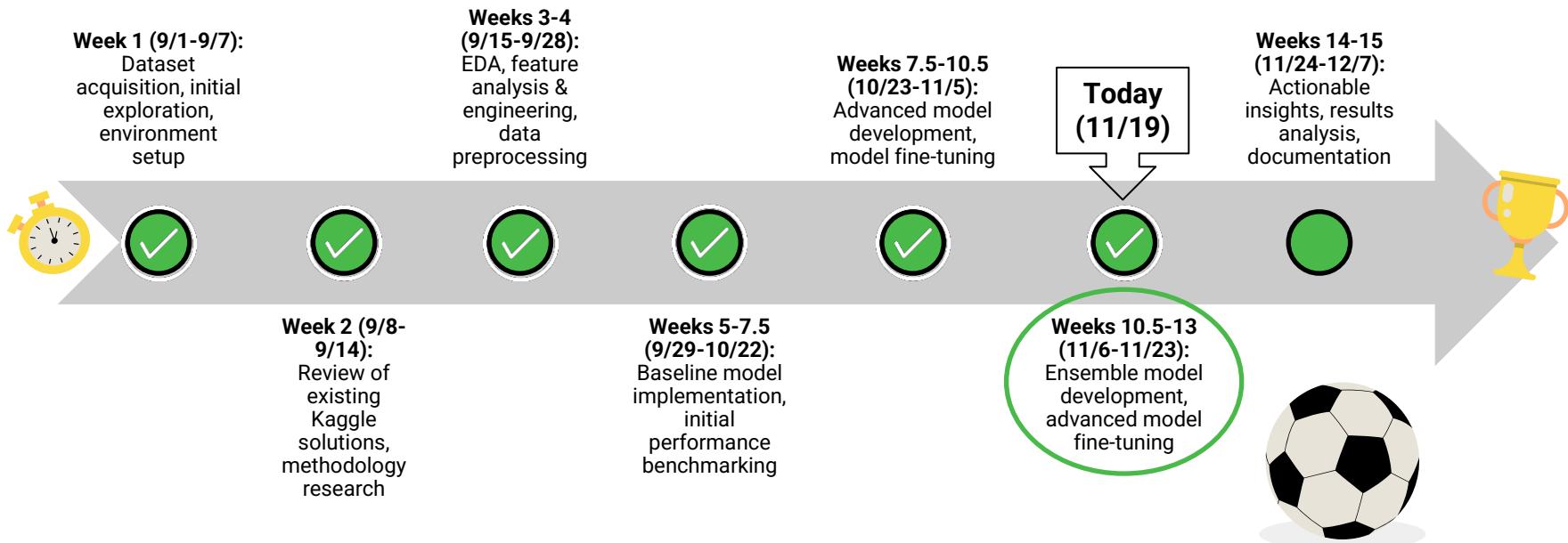
Predicting Soccer Injuries with Machine Learning

Module 6: Implementation and Evaluation

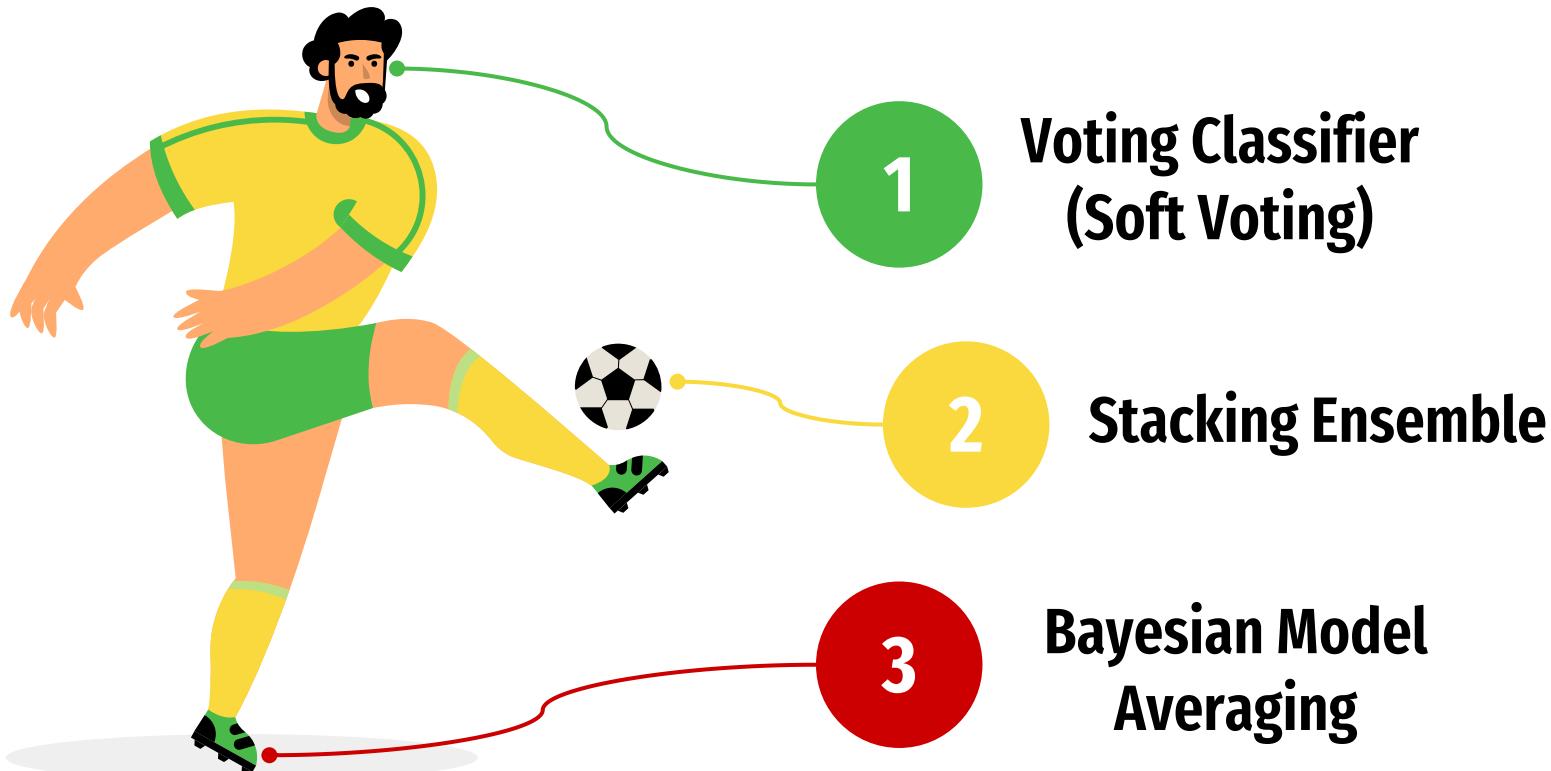
Jennifer Lawless
DASC 9311: Data Science Project
November 19, 2025



Project Timeline



Ensemble Modeling Approach





Ensemble Results

Model	Model 6: Voting Classifier (Soft Voting)	Model 7: Stacking Ensemble	Model 8: Bayesian Model Averaging
Metrics	Accuracy: 0.950 Precision: 0.953 Recall: 0.948 F1: 0.950 ROC-AUC: 0.990	Accuracy: 0.951 Precision: 0.951 Recall: 0.952 F1: 0.951 ROC-AUC: 0.990	Accuracy: 0.950 Precision: 0.953 Recall: 0.948 F1: 0.950 ROC-AUC: N/A



2nd

Voting
Classifier

1st

Stacking Ensemble



3rd

BMA

Next Steps

Injury Prevention

Determine and provide actionable insights on injury prevention



Final Report

Write up the final report and documentation for Module 7

Thank You!

