

Slide 1: Title

- *“Predicting Student Performance with Machine Learning”*
 - Your name
 - PLP Week 2 SDG Assignment

Problem Statement

- SDG 4: Quality Education
- Students drop out or underperform due to lack of early support.
- Predicting performance can guide timely interventions.

ML Solution

- Dataset: student-mat.csv (395 students, 33 features)
- Model: Linear Regression
- Features: study time, absences, family support, G1, G2

Results

- R^2 Score: 0.76
- MSE: 5.02
- Visual: include the prediction scatter plot here

Impact + Ethics

- Promotes equity in education
- Flags at-risk students early
- Bias exists — more diverse data needed