

Unit 4: Model Evaluation in Machine Learning

1) Socialize the technology idiom of the day.

Grease Monkey:

Meaning: A mechanic or technician, especially one who maintains machines or vehicles.

Example: Our grease monkey is brilliant; she can fix a laptop as easily as a car engine.









3) Socialize key vocabulary about the fundamentals of statistics.

Statistics: The branch of mathematics dealing with the collection, analysis, interpretation, and presentation of numerical data.

Probability: The measure of the likelihood that an event will occur, expressed as a number between 0 and 1.

Measures of central tendency: Statistical measures that indicate the central or average value of a dataset, including mean, median, and mode.

Probability distributions: Mathematical functions that describe the likelihood of possible outcomes in a probability experiment.

Variability: The extent to which data points in a dataset differ from each other, often measured by variance or standard deviation.









Hypothesis testing: A statistical method used to make inferences about a population based on sample data, involving formulating and testing hypotheses about population parameters.

Data analysis: The process of inspecting, cleaning, transforming, and modeling data with the goal of discovering useful information, reaching conclusions, and supporting decision—making.





