

Google form Link for Exit Ticket:

<https://docs.google.com/forms/d/1QBuPYAZI8bbuvMgEbZQsJqIn3rMnsPePSDjPaYfkVHc/edit>

summary and insights generated

a) Key Student Feedback

Understanding of the Topic

- Majority of students:
 - "Mostly understood" or "Completely understood"
 - A few said "I understood everything clearly"
- Only 1–2 students were "somewhat confused"

Engagement Ratings (1–5)

- Most students rated **4 or 5**
- Only one response had a low engagement rating (2)

Most Important Learnings (frequent mentions):

- Logistic Regression
- Backpropagation
- Classification & Regression
- Neural Networks & Perceptron
- Understanding the application of concepts to real-world problems

Common Remaining Questions

- *"When to stop the iteration of a model?"*
- *"How are data science concepts applied in real-world scenarios?"*
- *"How many epochs are needed?"*
- Some students wrote "No questions", "Nothing", or "NA"

Suggestions

- **Visual learning:** Animated lectures, visual-oriented class
- **Real-world examples:** More application-based content
- A few wrote "No", "Nothing", or "No thanks"

b) AI-Generated Insights

1. **Students are generally grasping the concepts well**, but there's a need to **bridge the gap between theory and real-world application**.
2. Key ML topics like logistic regression, backpropagation, and perceptron were understood—but **conceptual depth (like stopping criteria, epochs, optimization)** remains unclear.
3. **Visual learning** tools and **real-time examples** could boost both engagement and retention.
4. Students benefit from a clear explanation of **why** and **how** algorithms work—not just **what** they do.

c) One Change You Can Make in the Next Class

 **Introduce a Real-World Case Study with Visual Walkthrough**

For example:

"Apply logistic regression to predict student performance using a dataset. Use visual tools (e.g., animations or scikit-learn visualizations) to show how the model learns and when it should stop training."

This will:

- Address their confusion on iterations and epochs
- Improve engagement through practical application
- Reinforce understanding with visual and interactive content