

CS 2: Exit Ticket

Google form Link : <https://forms.gle/VF2N6mJ5petLaHJN6>

summary and insights generated:

Key Student Feedback Themes

✅ Understanding of Today's Topic

- **14 students** said "I completely understood".
- **9 students** said "I mostly understood".
- **1 student** said "I somewhat understood".
- **1 student** said "I'm somewhat confused".

🔍 ****Insight:**** Majority (92%) understood the session well, indicating clearly explained key concepts.

🌟 Engagement Ratings (1 to 5)

- **Most ratings are 4 or 5.
- 14 students gave a perfect 5.
- 9 students rated 4.
- 1 student rated 2.

🔍 ****Insight:**** High engagement, with over 90% rating it 4 or above. Only one student felt minimally engaged (rating 2).

📚 Most Important Learnings (Selected Highlights)


- **Common themes:**
 - Backpropagation
 - Logistic Regression
 - Bayesian Classification, Naive Bayes
 - Neural Networks, KNN, Perceptron
 - Visualization Tools: Connected Papers, RawGraphs.io
 - Conceptual foundations: Differences between feedforward & backpropagation

🔍 ****Insight:**** All major machine learning techniques covered were retained. Students recognized both theoretical and practical components.

❓ Questions/Hurdles Students Still Have

- "How to apply optimization models?"
- "When to stop the iteration of backpropagation?"
- "How are neural networks used in the real world?"
- "Are there any plagiarism-check tools?"


- “How are data science concepts applied practically?”

 ****Insight:**** Students are curious about:

- Application of theory in real problems
- Model optimization strategies
- Application-based learning, especially in the industry

💡 Suggestions

- ****Frequent suggestions included:****
 - ****“Include real-world applications/examples”**
 - ****“Animated/visual explanations”**
 - ****“Application-based learning”**
 - ****“More tool demonstrations (like plagiarism checkers)”**

 ****Insight:**** Learners are seeking more interactivity, visual components, and real-life relevance.

🤖 AI-Generated Insights

1. ****Strong conceptual grasp:**** Engagement & understanding levels are high. Students are invested in learning.
2. ****Varied learning paces:**** A small number still confused—highlighting need for differentiated assistance or recaps.
3. ****Emphasis on application learning:**** A consistent demand to move from conceptual understanding to *industry relevance*.
4. ****Tech-savvy crowd:**** Students are aware of external tools (like rawgraphs.io, Connected Papers) and are interested in more of these.

↻ One Change to Make in Your Next Class

****Add a “Real-World Applications” segment after each concept is explained****, including:

- Use cases from industry (e.g., how backpropagation is used in real-world AI systems)
- Visual demos using tools (e.g., scikit-learn, TensorFlow visualizations)
- Even short animations or interactive dashboards (like what’s happening inside a neural network)

> Bonus tip: Address specific questions (like “when to stop iterations”) with quick experiments to let students try and visualize model behavior.