

CS 2: Exit Ticket


Google form Link : <https://forms.gle/14f1NPw7vGi1zF6M6>

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.