



**Department of Artificial Intelligence and Data Science  
Academic Year 2023 – 2024 (Odd Semester)**

**Degree, Semester & Branch:** B.Tech, III & Artificial Intelligence and Data Science

**Course Code & Title:** AD3301 & Data Exploration and Visualization

**Name of the Faculty member (s):** Ms. S. Selva Birunda

### **Innovative Practice Description**

- **Unit / Topic:** Unit I / Visual Aids for EDA
- **Course Outcome:** CO1
- **Topic Learning Outcome:** TLO1, 2
- **Activity Chosen:** Visible Quiz
- **Justification:**

A visible quiz activity was conducted to check the student's level of understanding in visual aids for EDA concepts. This activity helps them to remember the plots used for visualization.
- **Time Allotted for the Activity:** 15 Minutes
- **Details of the Implementation:**
  1. 20 Multiple Choice Questions for the topic "Distributions and Variables" have been prepared in power point.
  2. A set of large distinctive cards bearing the letters A, B, C and D was prepared.
  3. During the lecture hour, the students are segregated into 12 groups of 5 students each (Total Strength – 60).
  4. Then the set of distinctive cards is given to each student's team.
  5. The MCQs are displayed in the classroom projector and the student teams are questioned to discuss and write answers.
  6. Based on their discussions, the student team representative raises the relevant option card for the question.
  7. The justifications for their answers are explained by each group and finally, the correct answers are discussed.



- **Images / Screenshot of the practice:**



- **Reflective Critique:**

- ❖ **Feedback of practice from students and other stakeholders:**

- ✓ Students felt this activity as a stress free way of learning while also enhancing knowledge
- ✓ Students told this activity gave an opportunity to stay updated on all the concepts of visual aids for EDA

- ❖ **Benefit of the practice:** (E.g.: Outcome attainment would have increased due to innovative practice over conventional practice)

- ✓ Students can think outside the box or from diverse perspectives by participating in this activity
- ✓ Discussing answers within group and come together with a conclusion

- ❖ **Challenges faced in implementation:**

- ✓ Only some students voice their opinions while others are idle

## References:

1. <https://www.unr.edu/digital-learning/tools-and-technologies/webcampus/quiz-strategies>
2. [https://prezi.com/9\\_lavlte\\_bbr/visible-quiz/](https://prezi.com/9_lavlte_bbr/visible-quiz/)



## Department of Artificial Intelligence and Data Science

Academic Year 2023 – 2024 (Odd Semester)

### FEEDBACK

#### Active Learning Best practices: Think-Pair-Share Cooperative Learning Technique

**Degree, Semester & Branch** : III Semester & B. Tech AI / DS  
**Course Code & Title** : AD3301 & Data Exploration and Visualization  
**Name of the Faculty member (s)** : Ms. S. Selva Birunda, AP / AD

-----  
**Theme of discussion:** Visual Aids for EDA

**Date and Time:** 27.11.2023 & 12.00 am to 12.15 am

**Feedback collected in class and also through online**  
-----

#### Feedback Questionnaire:

- Does the activity encourage cooperative learning among yourself?      **Yes**    **No**
- Do you have a clear understanding about the Visual Aids for EDA concepts?  

<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Satisfactory</b>
------------------	------------------	-------------	---------------------
- Does this activity learning improve listening, communication and problem-solving skills?  

<b>Excellent</b>	<b>Very Good</b>	<b>Good</b>	<b>Satisfactory</b>
------------------	------------------	-------------	---------------------

#### Feedback Analysis:

##### Question Breakdown

