



RAMCO INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi & Affiliated to Anna University
Accredited by NAAC & An ISO 9001:2015 Certified Institution
NBA Accredited UG Programs: CSE, EEE, ECE and MECH

Department of Artificial Intelligence and Data Science

Academic Year 2025 – 2026 (Even Semester)

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

Course Code & Title: AD3491 & Fundamentals of Data Science and Analytics

Name of the Faculty member (s): Mrs. B. Revathi

Innovative Practice Description

- Unit / Topic: Unit II / Descriptive Analytics

- Course Outcome: CO 2

- Topic Learning Outcome: TLO 10-15

- Activity Chosen: Visible Quiz

- Justification:

The Concepts related to Descriptive Analytics, a visible quiz activity was carried out to gauge the student's level of understanding.

- Time Allotted for the Activity: 25 Minutes

- Details of the Implementation:

1. Initially, 20 questions covering the important topic in frequency distribution basic concepts was taken and prepared in a power point presentation.
2. The students were split into a group of five members (class strength: 61). 12 groups were formed and each member of the group were given with a card containing A, B, C, D.
3. Each group was provided with a paper to write down the answer for each question.
4. Once the question is displayed one by one. The group member should raise the correct option card for the question.
5. The other member will write the team answer in the paper given. Finally, the paper was interchanged with the group and discussed the correct answers.

- CO – PO / PSO mapping:

CO	PO1	PO6	PO9	PO10
CO1	3	3	1	2

(1 – Low 2 – Moderate 3 – High)

• **PO / PSO mapped:**

Innovative practice	PO1	PO6	PO9	PO10
Justification for correlation	Apply the basic concepts of Frequency distribution	Understand the importance of Descriptive Analytics while providing solutions for Distribution of frequency preparedness	Understanding the impact of team work while providing solutions for Basics of Mean, Median and Mode	Communicate effectively by providing questions to share their conversations

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



• **Reflective Critique:**

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

The students felt easy to remember and recollect the concepts involved in the given topic which will make them to attend the questions.

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

❖ This activity helped to quickly recap the important fundamental knowledge about Machine Learning Basics.

❖ Visible quiz is a team-based activity which supports collaborative learning through which the concepts will be made clear.

References:

1. <https://tophat.com/blog/active-learning-any-modality/>
2. <https://uploads.provost.vcu.edu/ctle/activeoptions.pdf>



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FEEDBACK Active Learning Best practices: Visible Quiz

Degree, Semester & Branch: B.Tech, IV & AI / DS 'A'

Course Code & Title: AD3491 & Fundamentals of Data Science and Analytics

Name of the Faculty member: Mrs.B.Revathi, AP/AD

Theme of discussion : Descriptive Analytics

Date and Time : 28.01.2026 & 03.45 pm to 04.30 pm.

Feedback collected in class and also through online

Feedback Analysis:

1. Can you able to understand the Descriptive analytics concepts?
54 responses

Copy chart



● Yes
● No
● Maybe

2. can you able to explore the concepts of Frequency Distributions?
54 responses

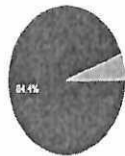
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● Yes
● No
● Maybe

3. Can you able to apply the concepts of relative Frequency and cumulative frequency?
54 responses

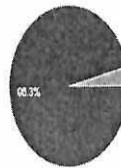
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● Yes
● No
● Maybe

4. Can you able to describe the concepts of Outliers?
54 responses

Copy chart



● Yes
● No
● Maybe

B. Revathi
28/1/26
Faculty Incharge

Wah
28/1/26
HOD