

Session 39: Introduction to statistics

Session Title	Introduction to statistics
Objective	By the end of the lesson, students will be able to: <ul style="list-style-type: none">• Define statistics and its importance in everyday life• Practice teamwork and active listening• Understand what a frequency table is
Topics	Statistics - Frequency Table
Materials Required	<ol style="list-style-type: none">1. Board2. Chalk
Methodology	Activity & Social and emotional learning oriented
Session Duration	90 Minutes

Intro Activity (15 minutes)

Warm-Up Circle

Activity 1: Data About Us

Students sit in a circle. Each student shares one fun fact (favorite color, hobby, pet, place etc.)

Teacher note down categories that appear repeatedly (e.g., favorite color) on the board

Ask: What do we notice?

(Building self-awareness and appreciating others' interests)

Then ask: How can we organize this better?

Ask students to organize the data in their own way, then review their work and offer positive feedback

Main Activity (65 minutes)

Activity 1 (25 minutes)

Ask a fun question:

What's your favorite weekend activity?

- Give 4-5 options (e.g., Playing games, Watching TV, Reading, Drawing, Going out)
- Let students raise their hands for each category.
- Teacher writes the tally marks on the board.

Then ask: How can we organize this better?

Introduce the concept of a frequency table:

Item / Category	Tally	Frequency (Number of students)
Playing games	 	10

Activity 2 (25 minutes)

Classroom Survey & Frequency Table

1. Divide class into small groups
2. Each group chooses or is assigned a question (eg: favorite school subject, Favorite fruit, Number of pets at home, Birth month groups)
3. Groups survey classmates and record data using tally marks
4. Convert tallies into a frequency table

Review Questions (15 minutes)

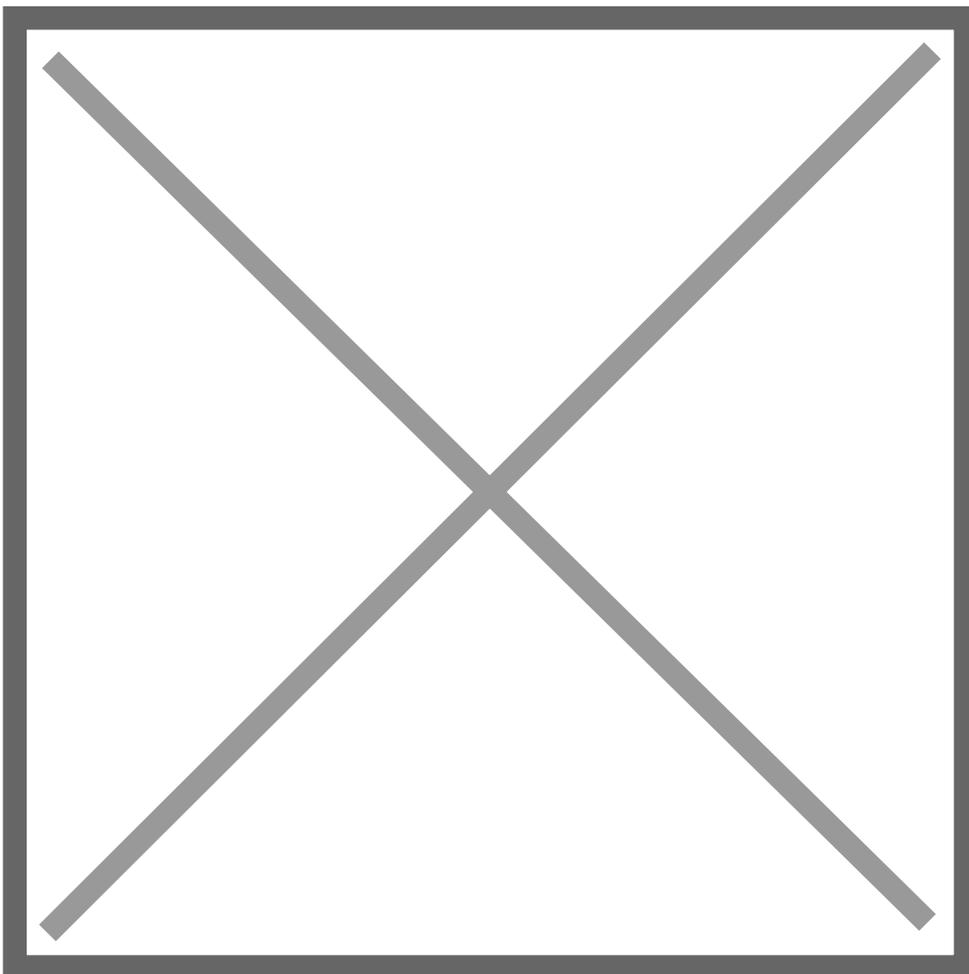
Share & Reflect

1. Each group presents their frequency table
2. Teacher guides a discussion with questions:
3. Which was the most popular choice?
4. Were there any surprising results?
5. What did you learn about your classmates?

Follow up Tasks (10 minutes)

Home work

- 1.



2. Considering another example: In a quiz, the marks obtained by 20 students out of 30 are given as:

(12,15,15,29,30,21, 30,30,15,17,19,15,20,20,16,21,23,24,23,21)

Expected Learning Outcome:

Knowledge building-

- Concept of frequency table
- Students able to organize data
- Connect the concept of data to students' everyday experiences

Skill Building-

- Analytical thinking
- Mathematical skill

Revision #2

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