Session 39: Introduction to statistics

Session Title	Introduction to statistics
Objective	By the end of the lesson, students will be al 1. Define statistics and its importance in life 2. Practice teamwork and active listening 3. Understand what a frequency table is
Topics	Statistics - Frequency Table
Materials Required	1. Board 2. Chalk
Methodology	Activity & Social and emotional learning ori
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 (50 minutes):

Activity 1 (25 minutes)

Ask a fun question:

What's your favorite weekend activity?

1. Give 4–5 options (e.g., Playing games, Watching TV, Reading, Drawing, Going out)
2. Let students raise their hands for each category.
3. 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.

AD_4nXdMzyunZ0Vb0rybF9qkb3BoSLZ3vl1QtqfzEYlXNl2Mc_OPqYaxJkti3YC1jsldzIkSeSxVYQxUukrpw

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 #5
Created 2025-05-01 10:08:26 UTC by iLab
Updated 2025-06-21 07:04:46 UTC by iLab