

# Session 39: Introduction to statistics

Session Title	Introduction to statistics
Objective	By the end of the lesson, students will be able to: <ol style="list-style-type: none"><li>1. Define statistics and its importance in everyday life</li><li>2. Practice teamwork and active listening</li><li>3. Understand what a frequency table is</li></ol>
Topics	Statistics - Frequency Table
Materials Required	<ol style="list-style-type: none"><li>1. Board</li><li>2. Chalk</li></ol>
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 (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.



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

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