**Calculation of Arithmetic Mean in an Individual Series (Direct Method)**

The **direct method** for calculating the arithmetic mean in an **individual series** involves directly adding all the observations and then dividing by the total number of observations.

**Formula:**

Mean=∑xi/n

Where:

* ∑xi = Sum of all observations
* n = Number of observations

**Example:**

Consider the following data:
**12, 15, 20, 25, 30**

**Step 1: Add all the observations:**

12+15+20+25+30=102

**Step 2: Divide by the total number of observations (which is 5):**

Mean=102/5=20.4

So, the **arithmetic mean** of this individual series is **20.4**.

**Another Example (with larger numbers):**

Data: **45, 50, 55, 60, 65, 70**

**Step 1:** Add all the values:

45+50+55+60+65+70=305

**Step 2:** Divide by the number of observations (6):

Mean=305/6≈50.83

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