

TYPES OF DATA



TOPIC: TYPES OF DATA

WHEN YOU CLASSIFY DATA AS CONTINUOUS OR DISCRETE, WHAT IS THE KEY QUESTION YOU ASK?

CAN THE GIVEN DATA BE FURTHER BIFURCATED INTO MEANINGFUL FRACTIONS?

EXAMPLE 01: IF THE GIVEN DATA IS NUMBER OF BOXES. THE KEY QUESTION YOU ASK IS, "CAN EACH BOX BE FURTHER SUB-DIVIDED INTO MEANINGFUL FRACTIONS I.E. CAN WE HAVE HALF A BOX OR ONE-TENTH OF A BOX?" THE ANSWER IS NO. WE COULD EITHER HAVE ONE, TWO OR THREE BOXES. HENCE, THIS IS DISCRETE DATA.

EXAMPLE 02: THE GIVEN DATA IS DISTANCE BETWEEN POINT A AND POINT B. THE KEY QUESTION YOU ASK IS, "CAN DISTANCE BE FURTHER SUB-DIVIDED INTO MEANINGFUL FRACTIONS?" THE ANSWER IS YES. DISTANCE BETWEEN POINT A AND B CAN BE 15 KILOMETERS, 10 METERS AND 4 CENTIMETERS I.E. IT CAN BE 15.104. THIS IS MEANINGFUL. HENCE, IT IS CONTINUOUS DATA.