

Module 1: Understanding the data

Assignment

edureka!

edureka!

Assignment 1: Statistic Essential for Analytics

Question1: Guess the Dependent and Independent variable from the below statement.

A study is conducted on new born babies to investigate the association between gestational age at birth (measured in weeks), and birth weight (measured in grams). We wish to estimate the association between gestational age and infant birth weight.

Question2: Perform the following simple Statistic operations.

Find the mean, median, variance, standard deviation, range of the sets of numbers below:

- 76, -56, 28, 101, 8, -24, 47, 98, 15, -39
- 3, 12, 15, 8.9, 23, 0.78, 18, 45, 0.86, 7, 6.9, 5, 35, 20
- $2/5, 6/5, 25/5, 33/12, 89/7, 23/4, 63/33, 6/3$

Question3: Two dice are rolled, find the probability that the sum is:

- equal to 1
- equal to 4
- less than 13