



CCE Proficiency – 2018

Basics of Data Analytics – Fundamentals

Assignmet 3

Q1. Write a note on any two-standard discrete distribution functions.

Q2. Write a note on any two-continuous distribution functions (other than Normal distribution function).

Q3. If X is a random variable and $E(X)$ is Expectation of X . If another random variable, Y defined in terms of X :

$$Y = (X - E(X)).$$

Then prove that

$$E(Y) = 0$$

Q4. Prove that the area under normal distribution is 1

Q5. Prove that the correlation coefficient, r lies between -1 and 1.