



PES UNIVERSITY, Bangalore

(Established under Karnataka Act No. 16 of 2013)

Department of Computer Science & Engineering

Statistics for Data Science

Assignment – Poisson Distribution

1. Patients arrive at the hospital in random at a rate of 5 per hour. Find the probability that during 60 minute period, the number patients arriving at hospital will be
 - a. More than 10
 - b. Exactly 3

2. Choose an appropriate dataset of your own (for instance, surveying vehicle, Telephone calls, patients in hospital, etc...) and explore the Poisson distribution conceptually practically using Python.