Lab 6 PS

IT24103000

Question 1

1. Distribution of X: X ~ Binomial(n = 50, p = 0.85)

ii)

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Answer: P(X ≥ 47) ≈ 0.046047

Question 2

i) Random variable: X = number of calls received in one hour

ii) Distribution: X ~ Poisson(λ = 12)

iii)

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Answer: P(X = 15) ≈ 0.072391