Solutions

For each of the following Poisson distributions, state the mean, variacne and standard deviaiton

X~Po(3)

μ = 3 σ^2 = 3 σ = $\sqrt{3}$ = 1.7321

X~Po(0.8)

μ = 0.8 σ^2 = 0.8 σ = $\sqrt{0.8}$ = 0.894

X~Po(1.4)

μ = 1.4 σ^2 = 1.4 σ = $\sqrt{1.4}$ = 1.1832

X~Po(3.5)

μ = 3.5 σ^2 = 3.5 σ = $\sqrt{3.5}$ = 1.8708

X~Po(0.3)

μ = 0.3 σ^2 = 0.3 σ = $\sqrt{0.3}$ = 0.5477

X~Po(5)

μ = 5 σ^2 = 5 σ = $\sqrt{5}$ = 2.2361

X~Po(4.8)

μ = 4.8 σ^2 = 4.8 σ = $\sqrt{4.8}$ = 2.191

X~Po(1.7)

μ = 1.7 σ^2 = 1.7 σ = $\sqrt{1.7}$ = 1.3038