0 Graph Representation of Special Distributions

0.1 Discrete Distributions

0.1.1 Poisson Distribution
Poisson Distribution (continue)

![Poisson Distribution (λ=5)](image1)

![Poisson Distribution (λ=10)](image2)

![Poisson Distribution (λ=18)](image3)
0.2 Continuous Distributions

0.2.1 Normal Distribution

Standard Normal: Higher mean

\[ x \in N(0,1) \quad \text{N}(0,1) \quad \text{N}(1,1) \]

Standard Normal: Higher variance

\[ x \in N(0,1) \quad \text{N}(0,1) \quad \text{N}(0,1.5) \]
0.2.2 LogNormal Distribution

LogNormal Distribution: Higher $\mu$

LogNormal Distribution: Higher $\sigma$
0.2.3 Exponential Distribution—Gamma($\alpha = 1, \beta$)
0.2.4 Chi-squared Distribution—Gamma($\alpha = \frac{p}{2}, \beta = 2$)

Chi-squared Distribution: Low $p$

Chi-squared Distribution: Higher $p$