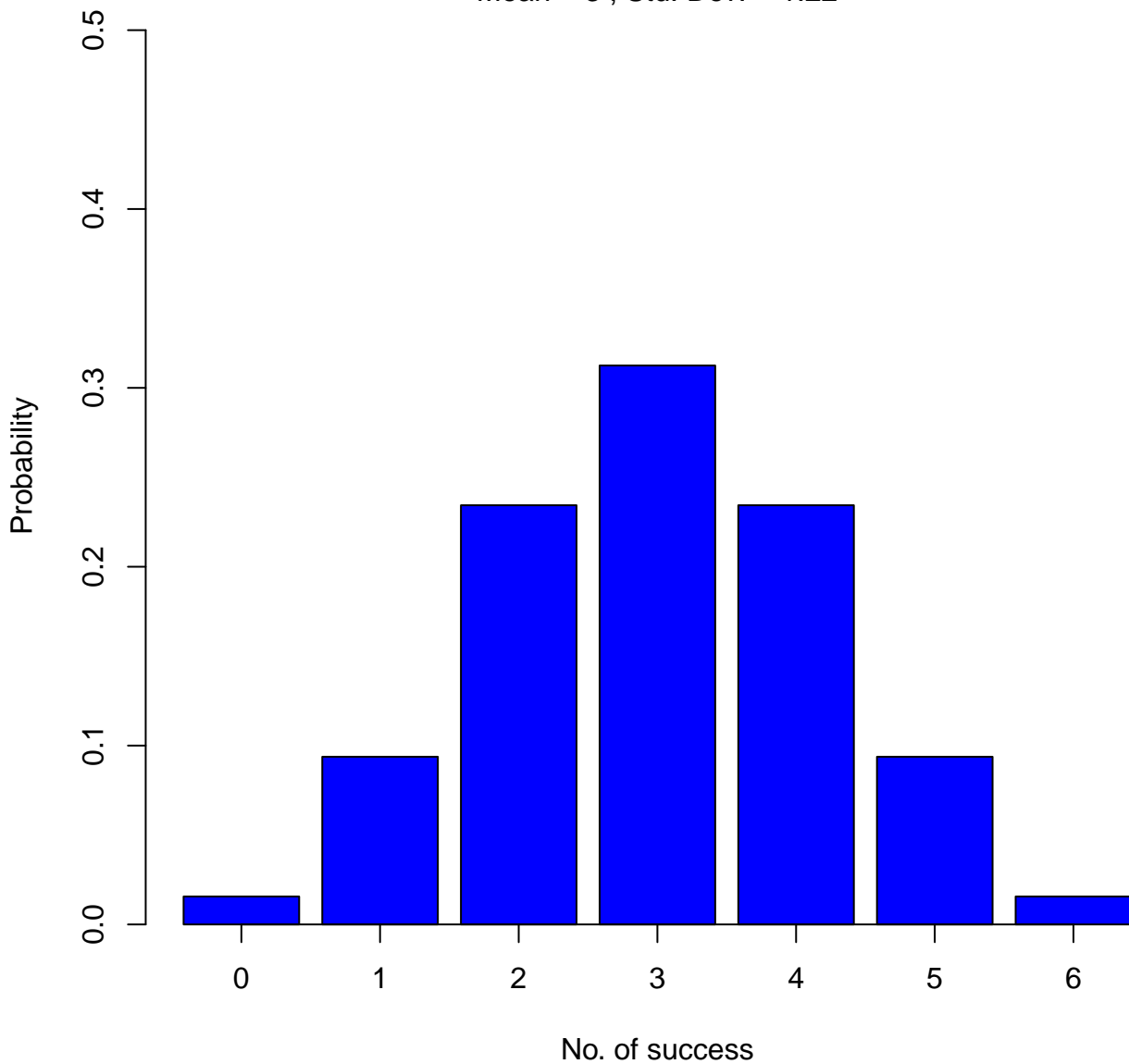


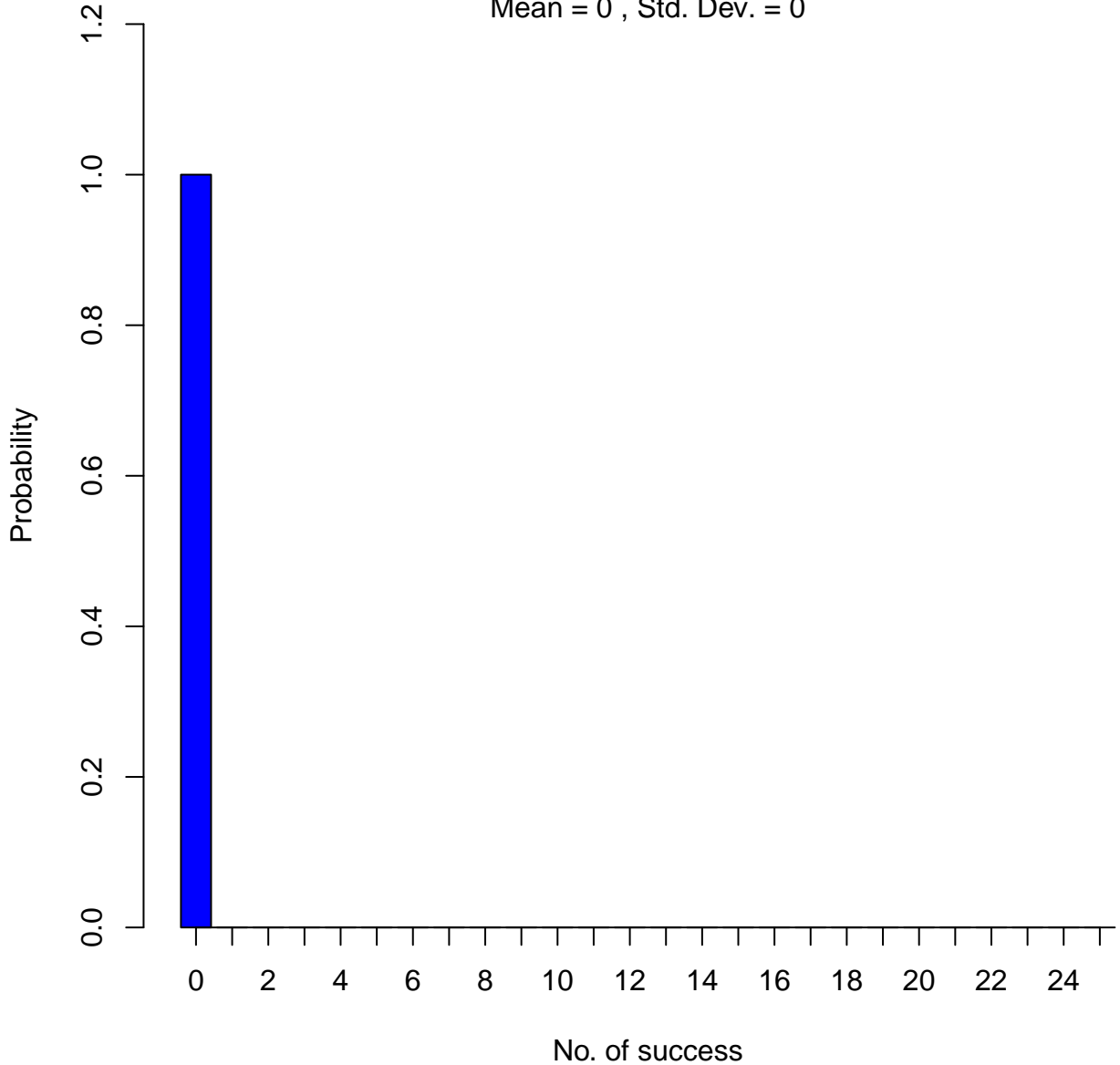
Binomial Distribution: $n = 6$, $p = 0.5$

Mean = 3 , Std. Dev. = 1.22



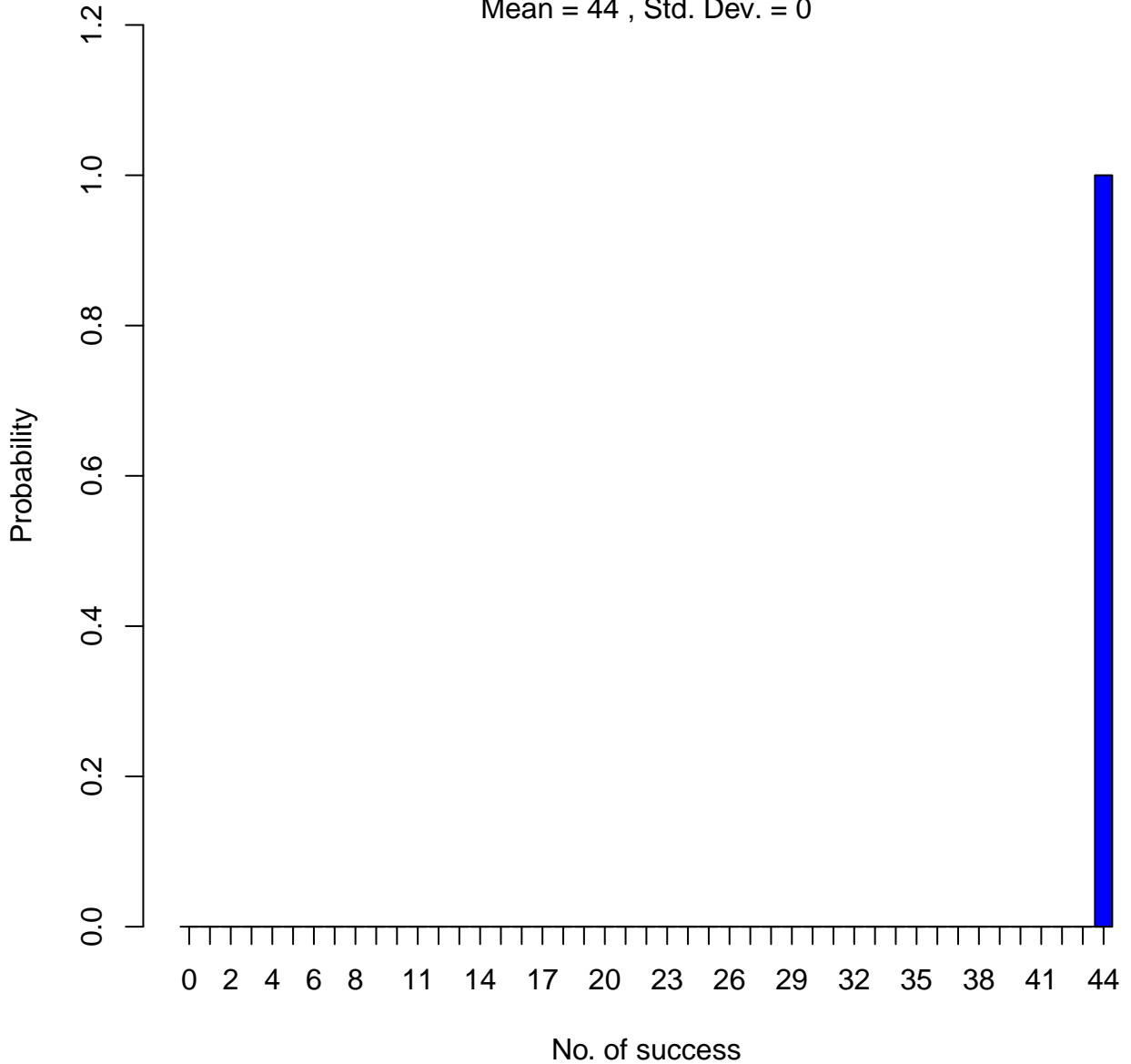
Binomial Distribution: $n = 25$, $p = 0$

Mean = 0 , Std. Dev. = 0



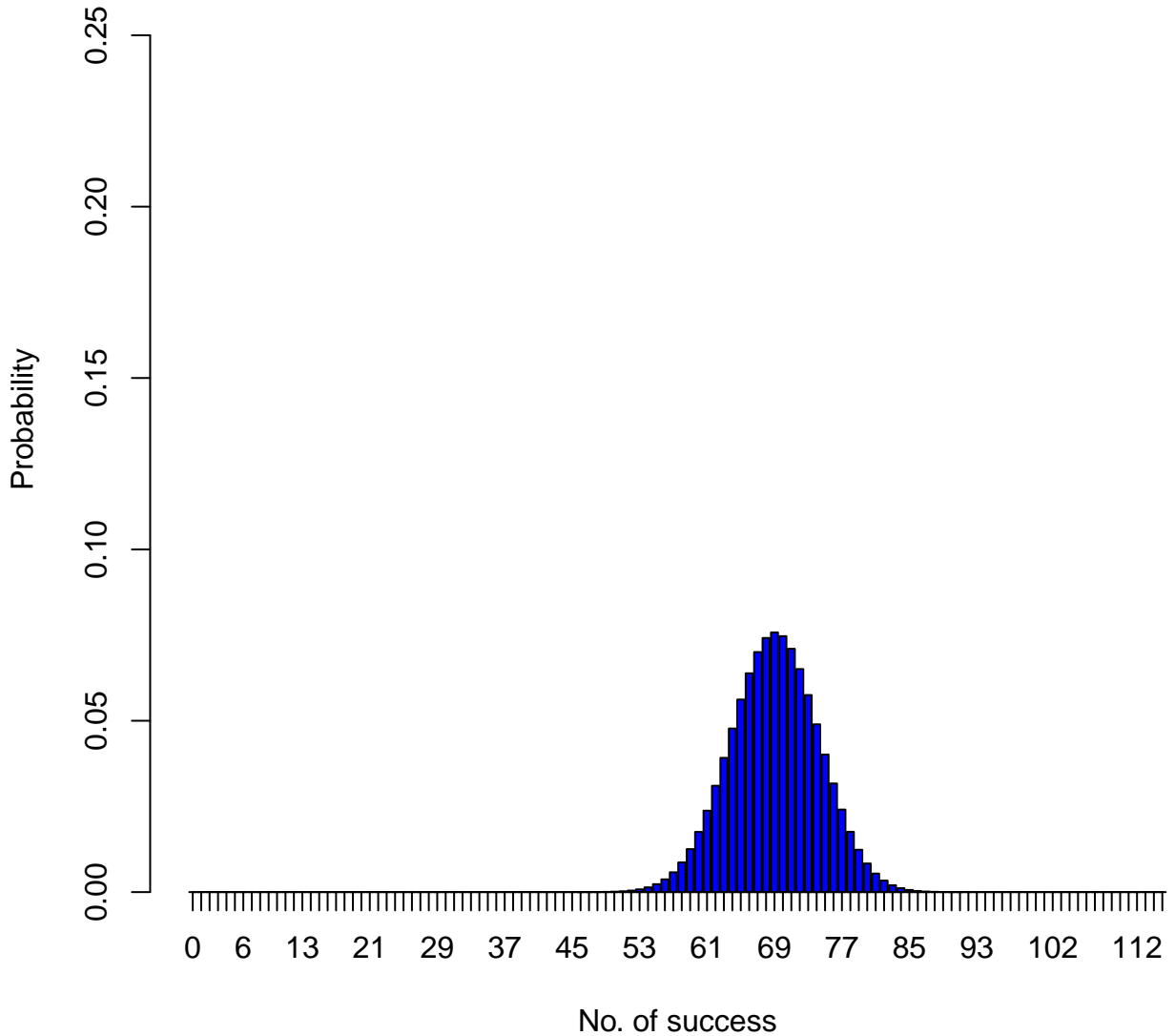
Binomial Distribution: $n = 44$, $p = 1$

Mean = 44 , Std. Dev. = 0



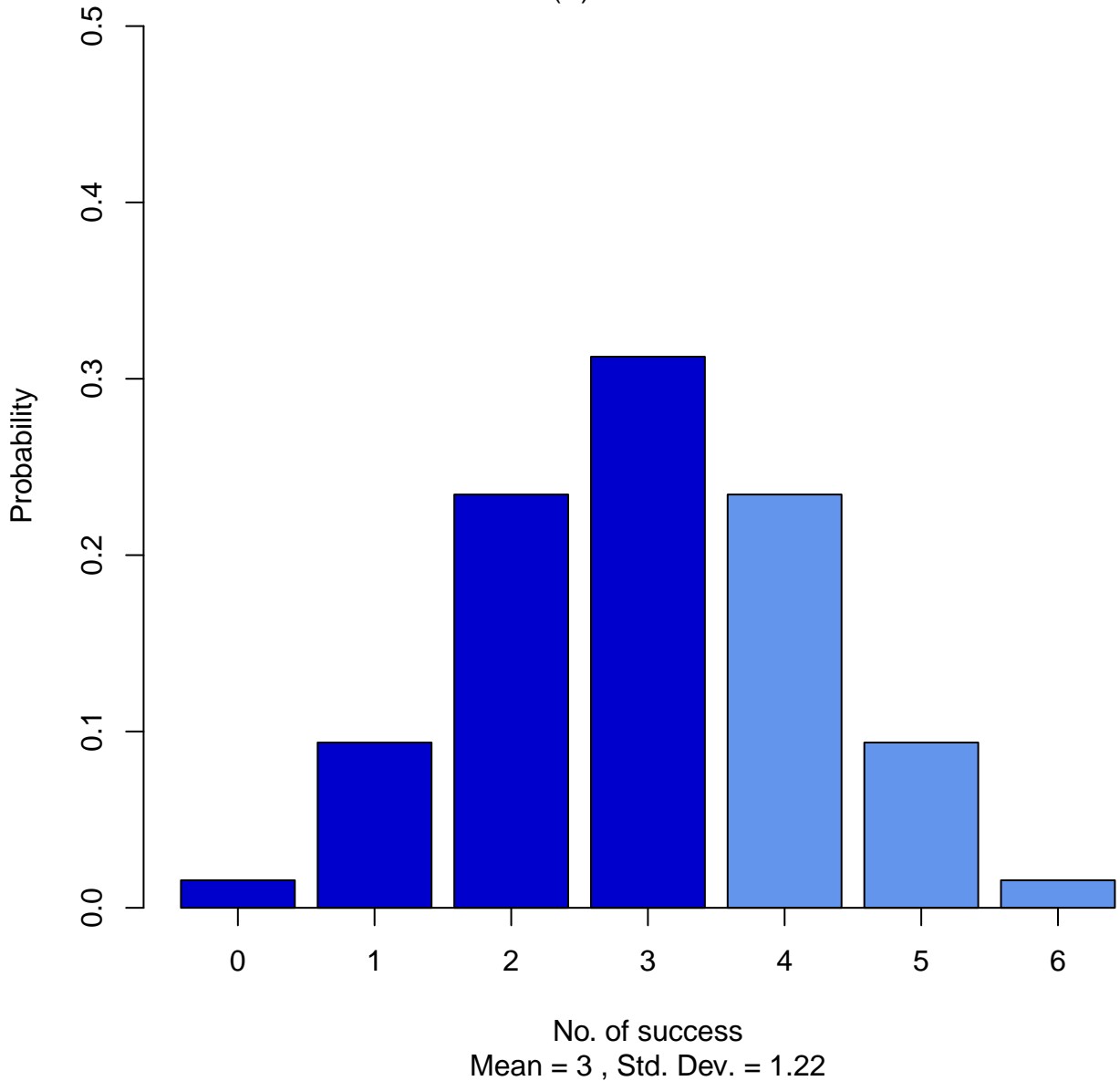
Binomial Distribution: $n = 115$, $p = 0.6$

Mean = 69 , Std. Dev. = 5.25



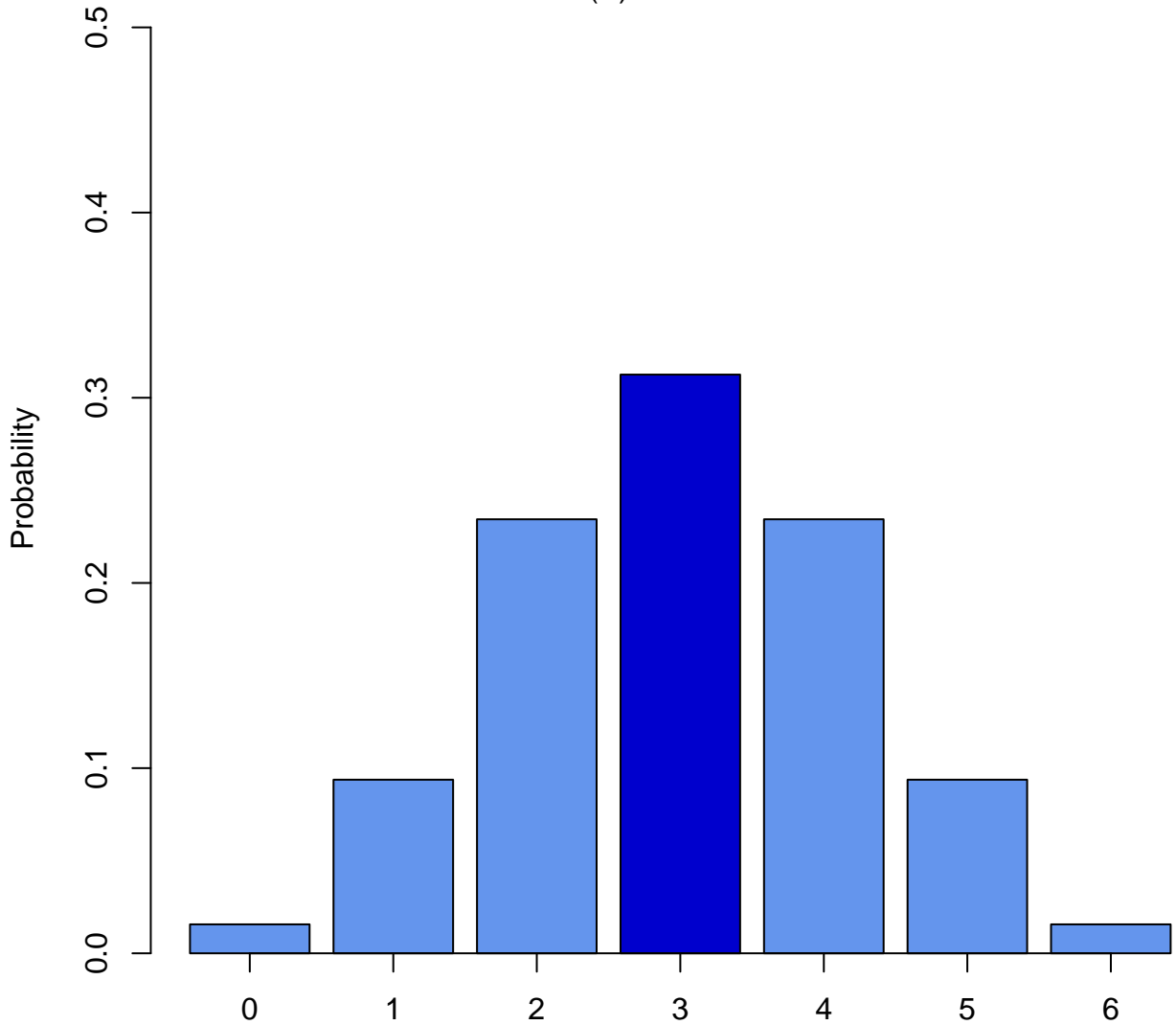
Binomial Distribution: $n = 6$, $p = 0.5$

$$P(X) \leq 3 = 0.656$$



Binomial Distribution: $n = 6$, $p = 0.5$

$$P(X) = 3 = 0.313$$

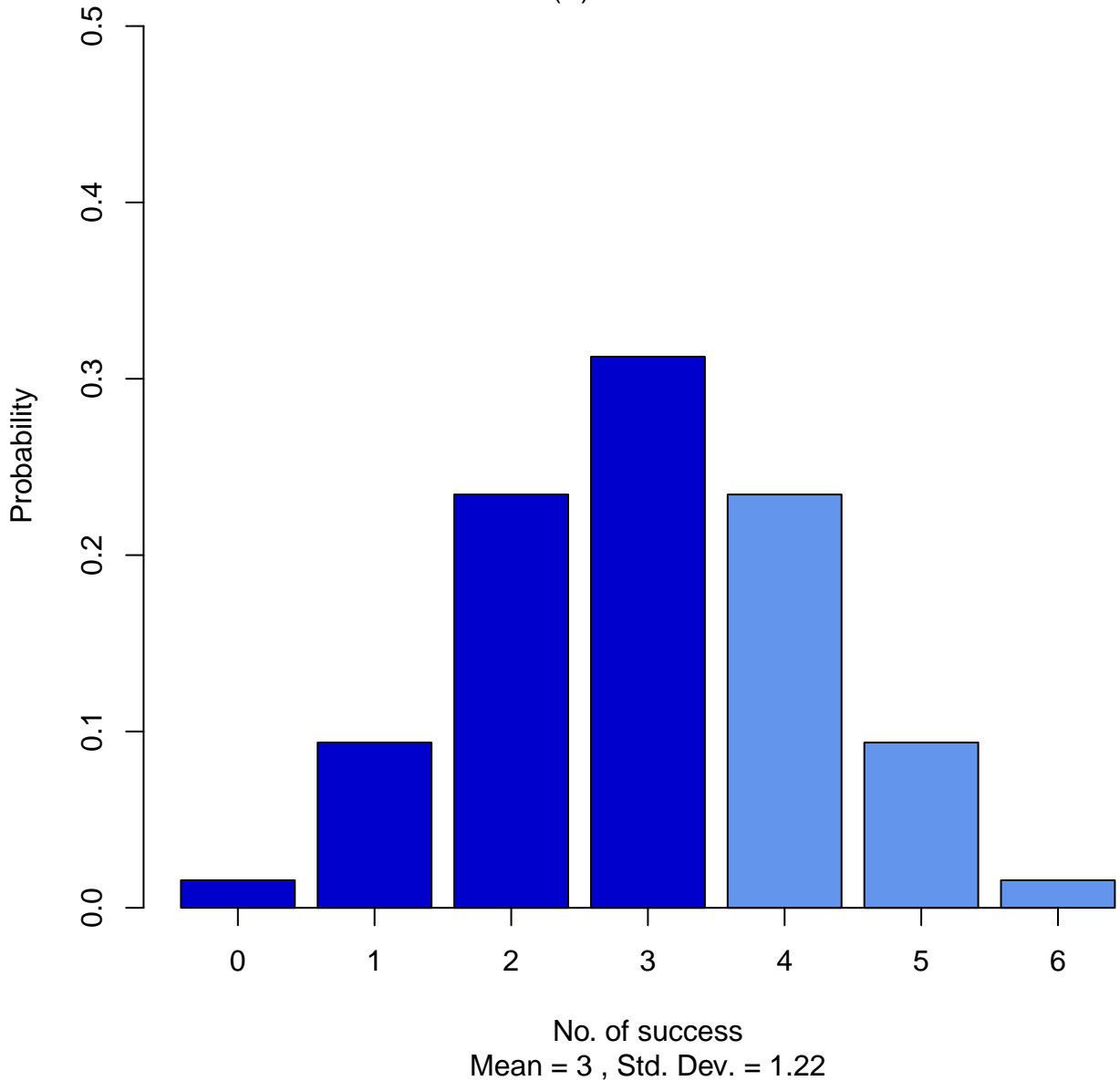


No. of success

Mean = 3 , Std. Dev. = 1.22

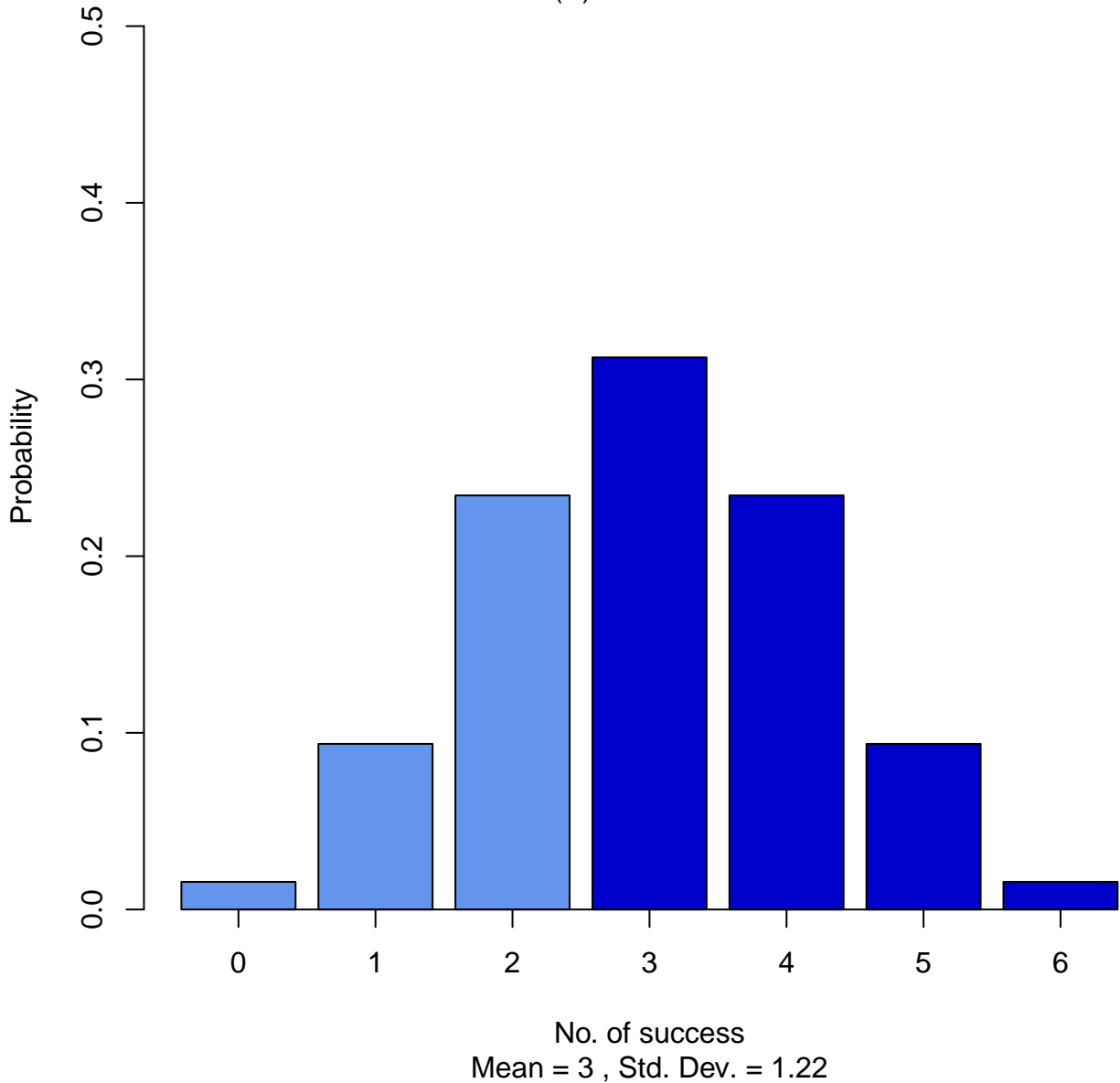
Binomial Distribution: $n = 6$, $p = 0.5$

$$P(X) \leq 3 = 0.656$$



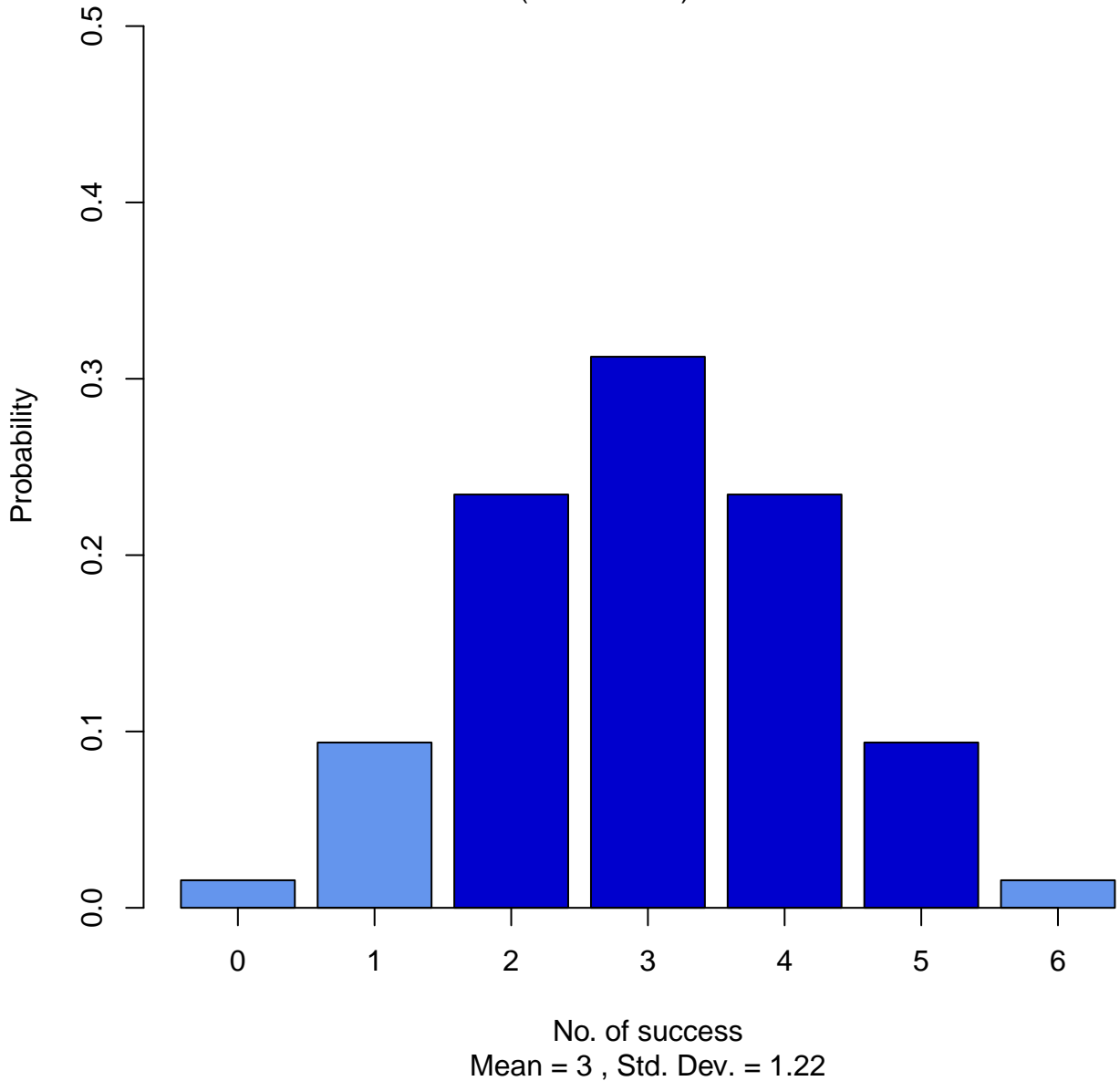
Binomial Distribution: $n = 6$, $p = 0.5$

$$P(X) \geq 3 = 0.656$$



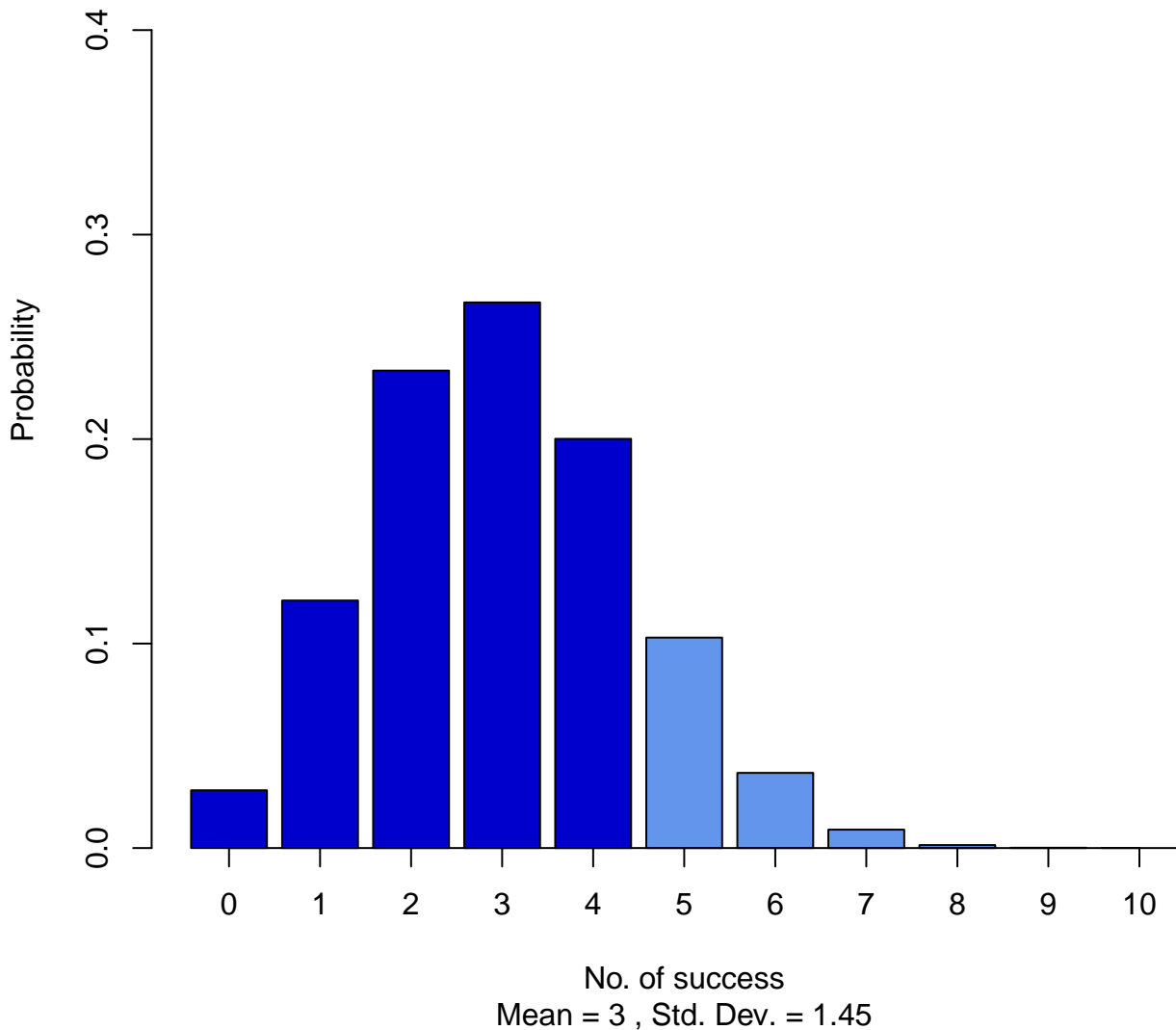
Binomial Distribution: $n = 6$, $p = 0.5$

$$P(2 \leq X \leq 5) = 0.875$$



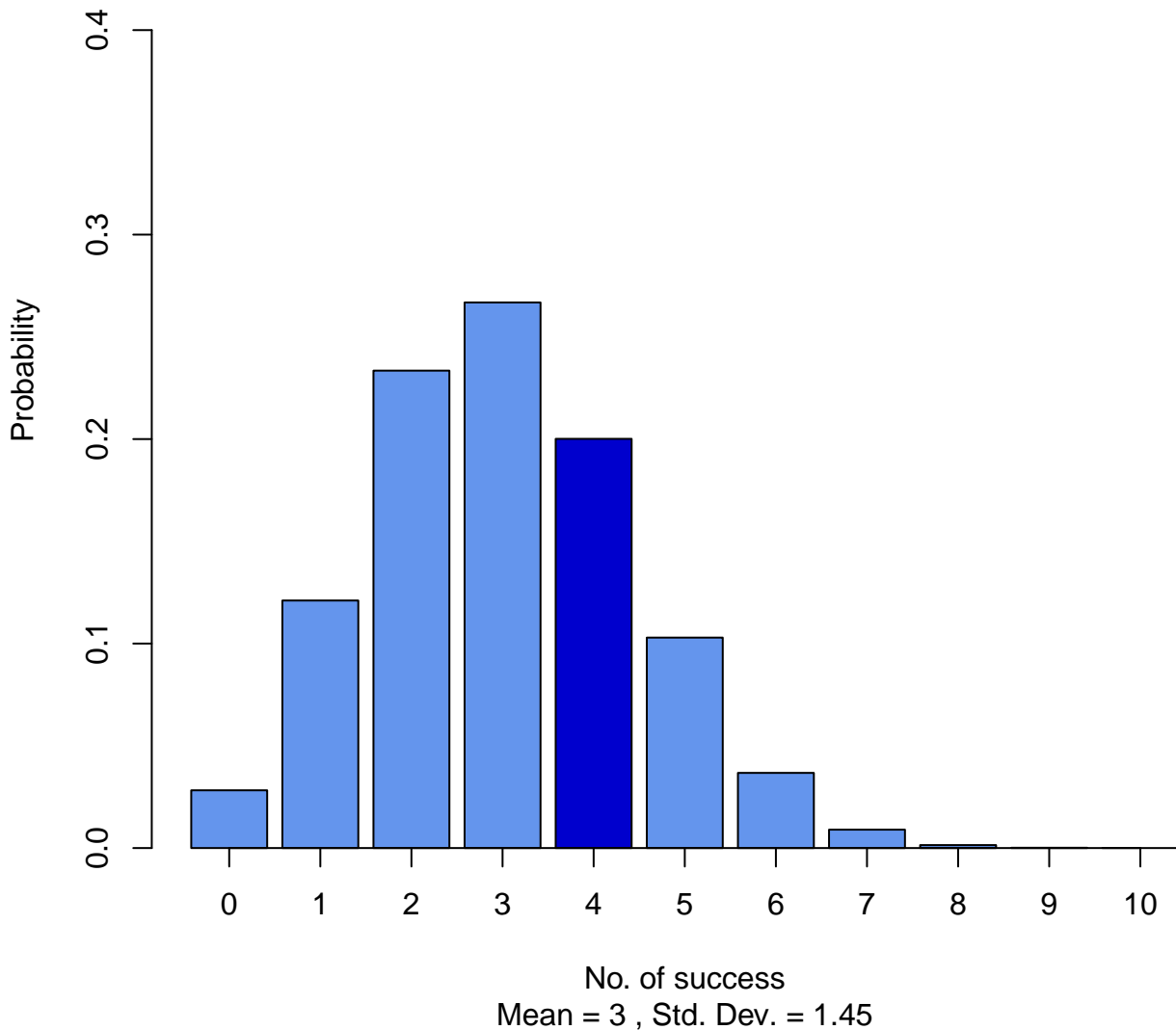
Binomial Distribution: $n = 10$, $p = 0.3$

$$P(X) \leq 4 = 0.85$$



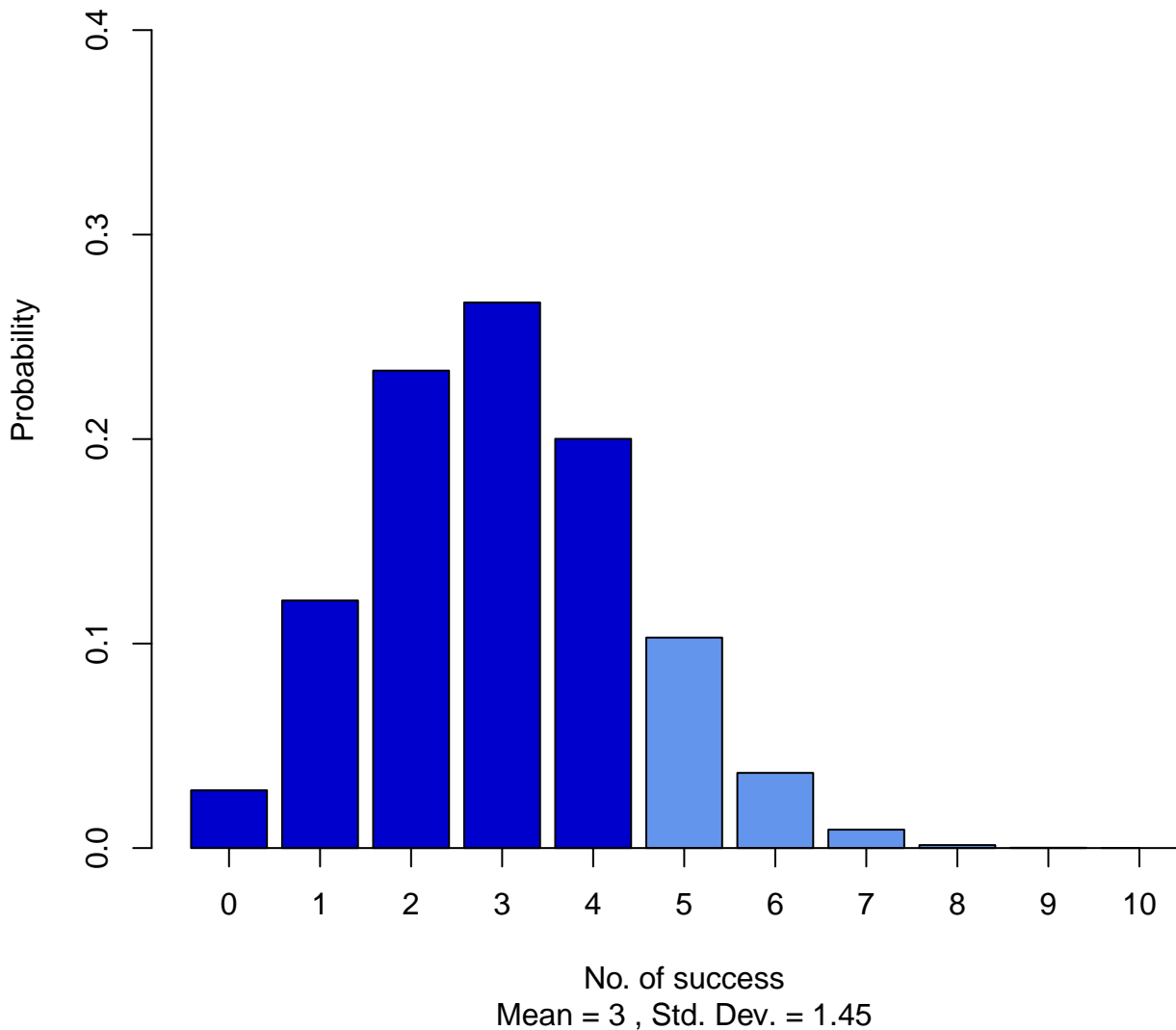
Binomial Distribution: $n = 10$, $p = 0.3$

$$P(X = 4) = 0.2$$



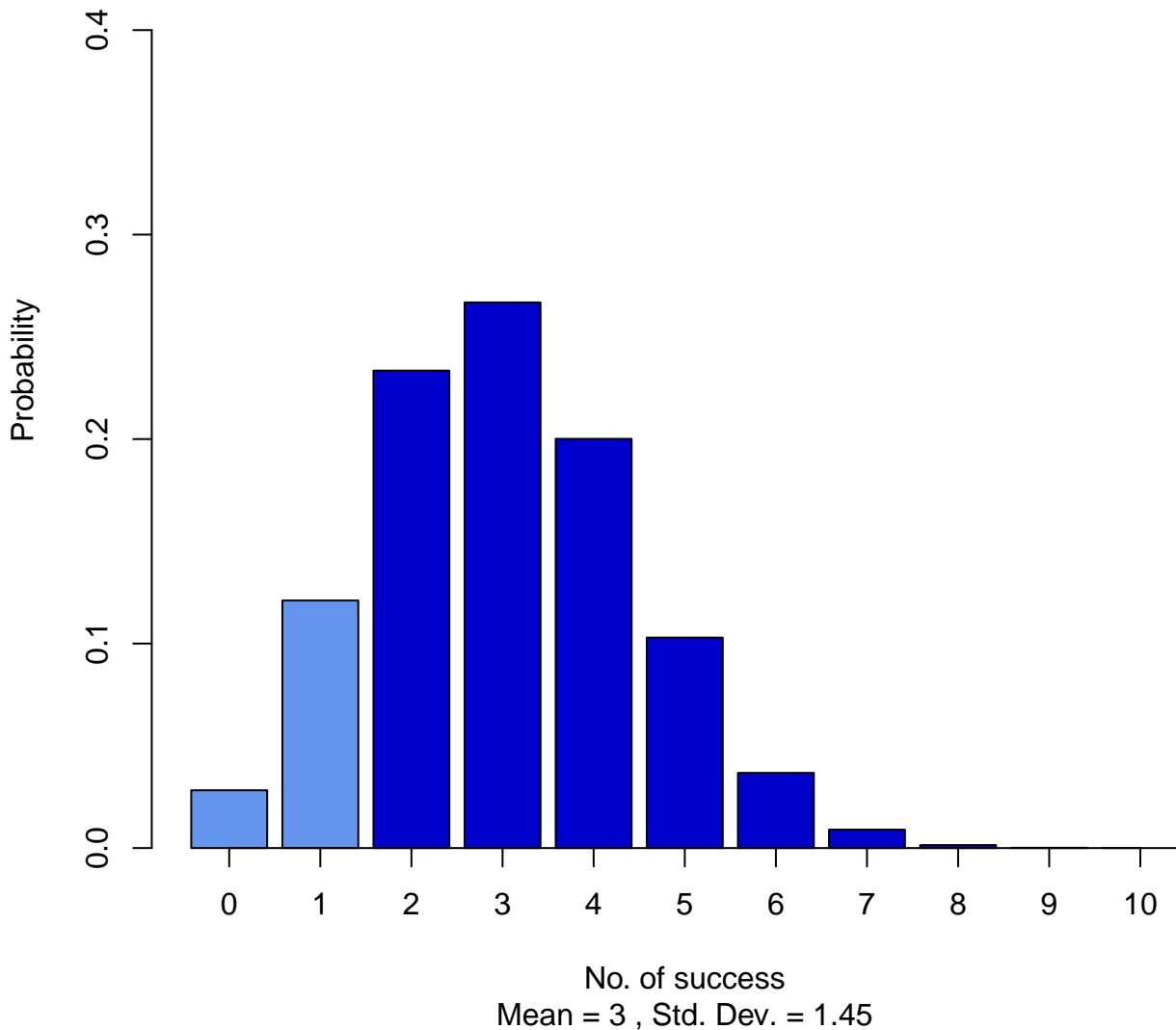
Binomial Distribution: $n = 10$, $p = 0.3$

$$P(X) \leq 4 = 0.85$$



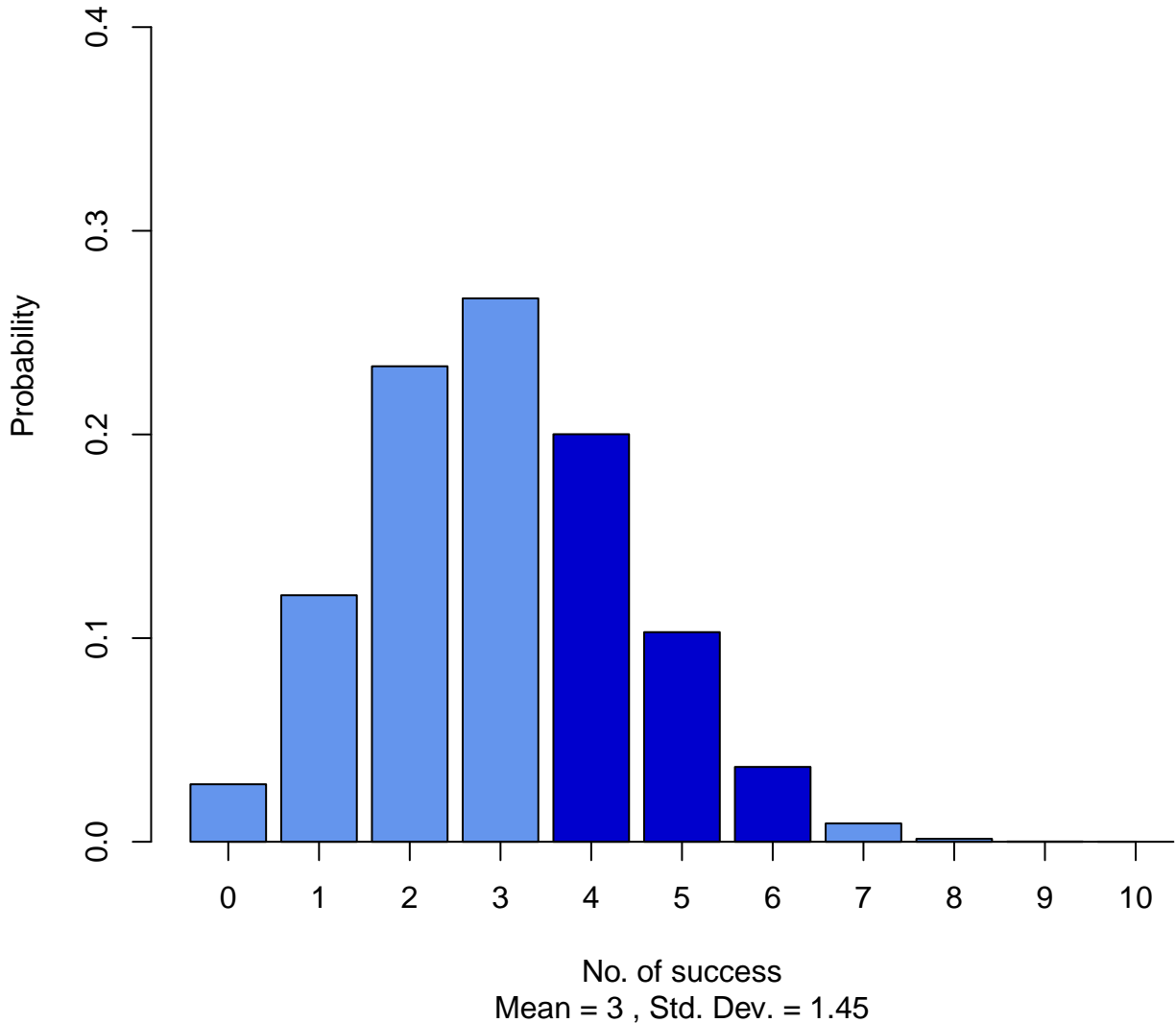
Binomial Distribution: $n = 10$, $p = 0.3$

$$P(X) \geq 4 = 0.35$$



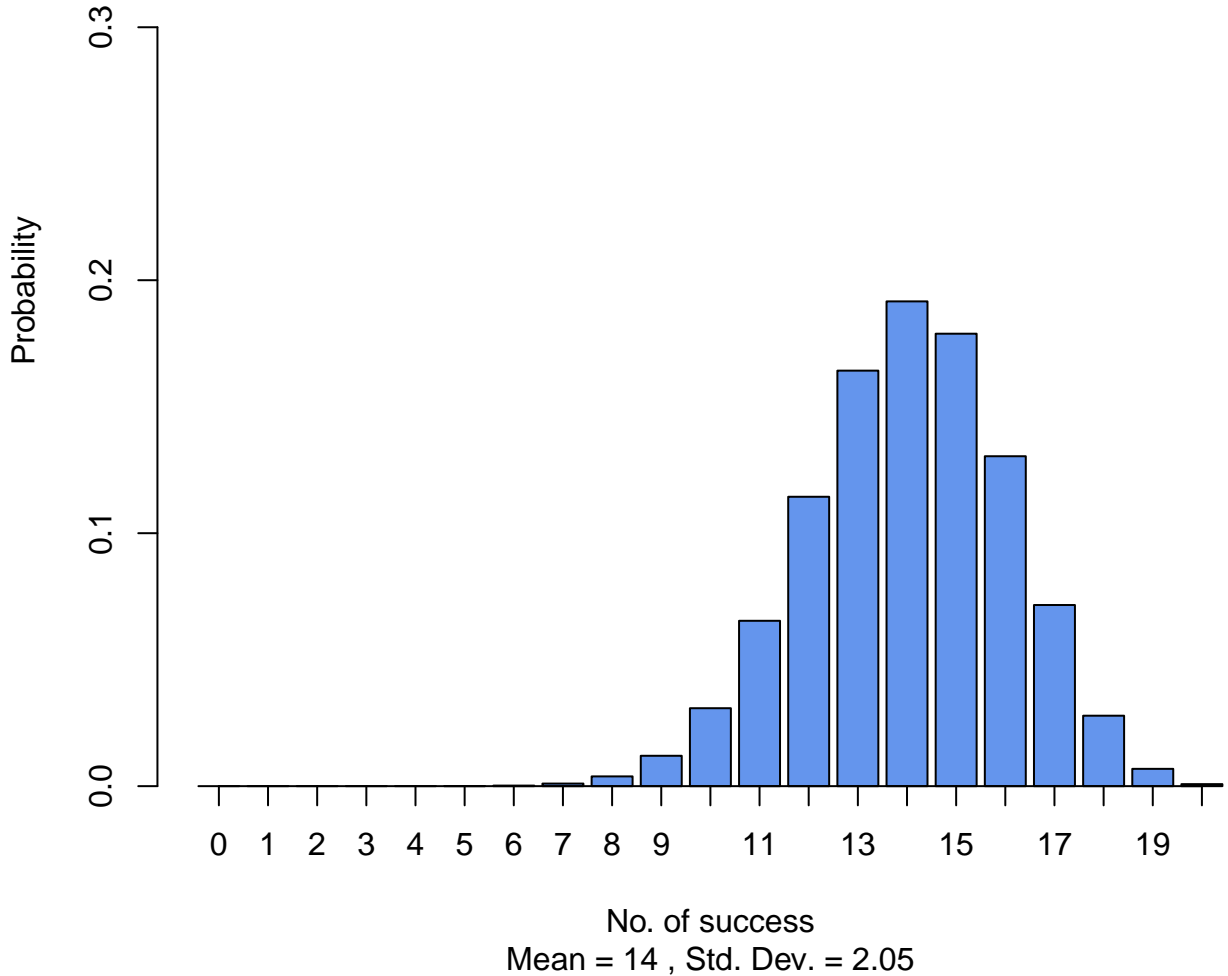
Binomial Distribution: $n = 10$, $p = 0.3$

$$P(4 \leq X \leq 6) = 0.34$$



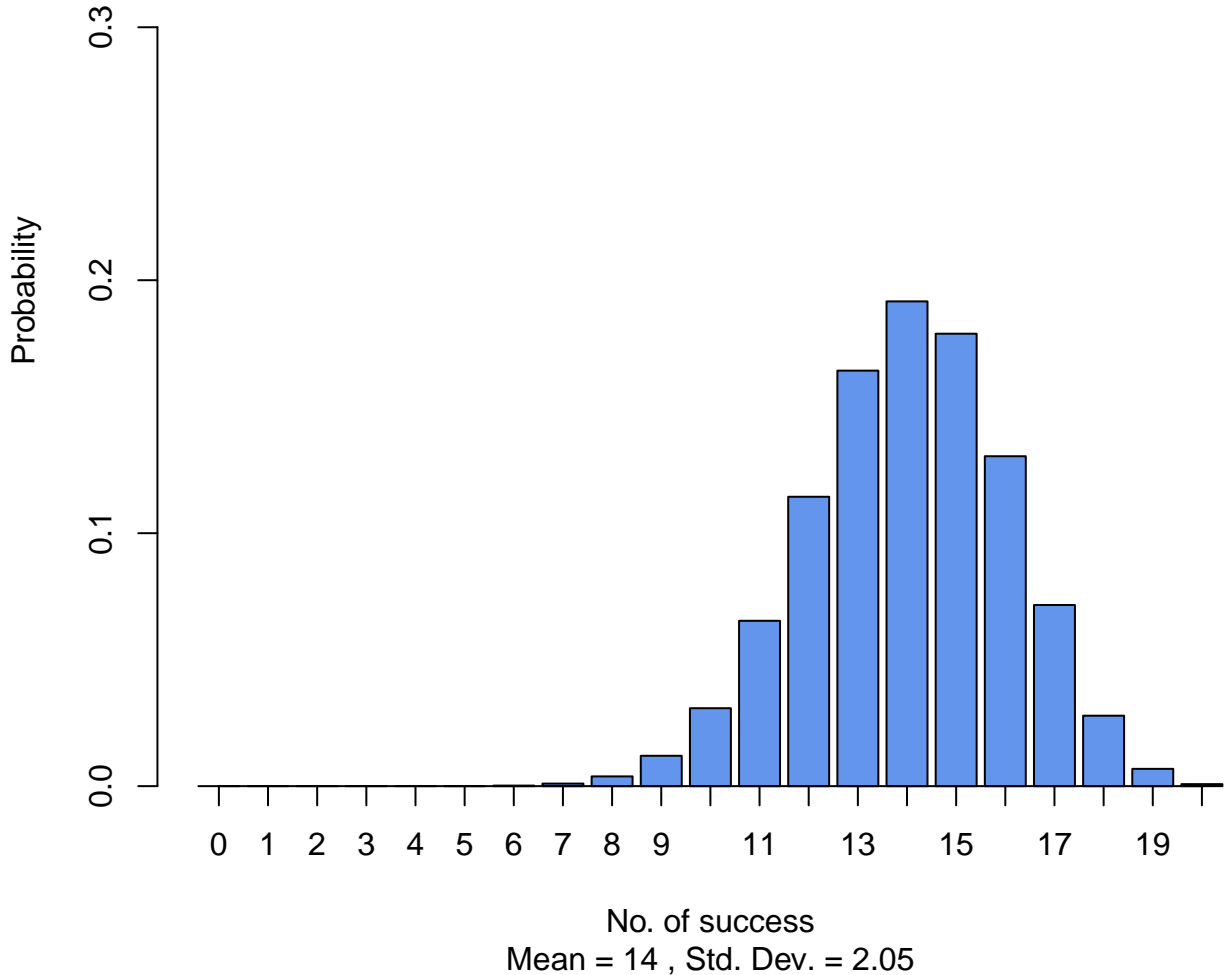
Binomial Distribution: $n = 20$, $p = 0.7$

$$P(X) \leq 6 = 0$$



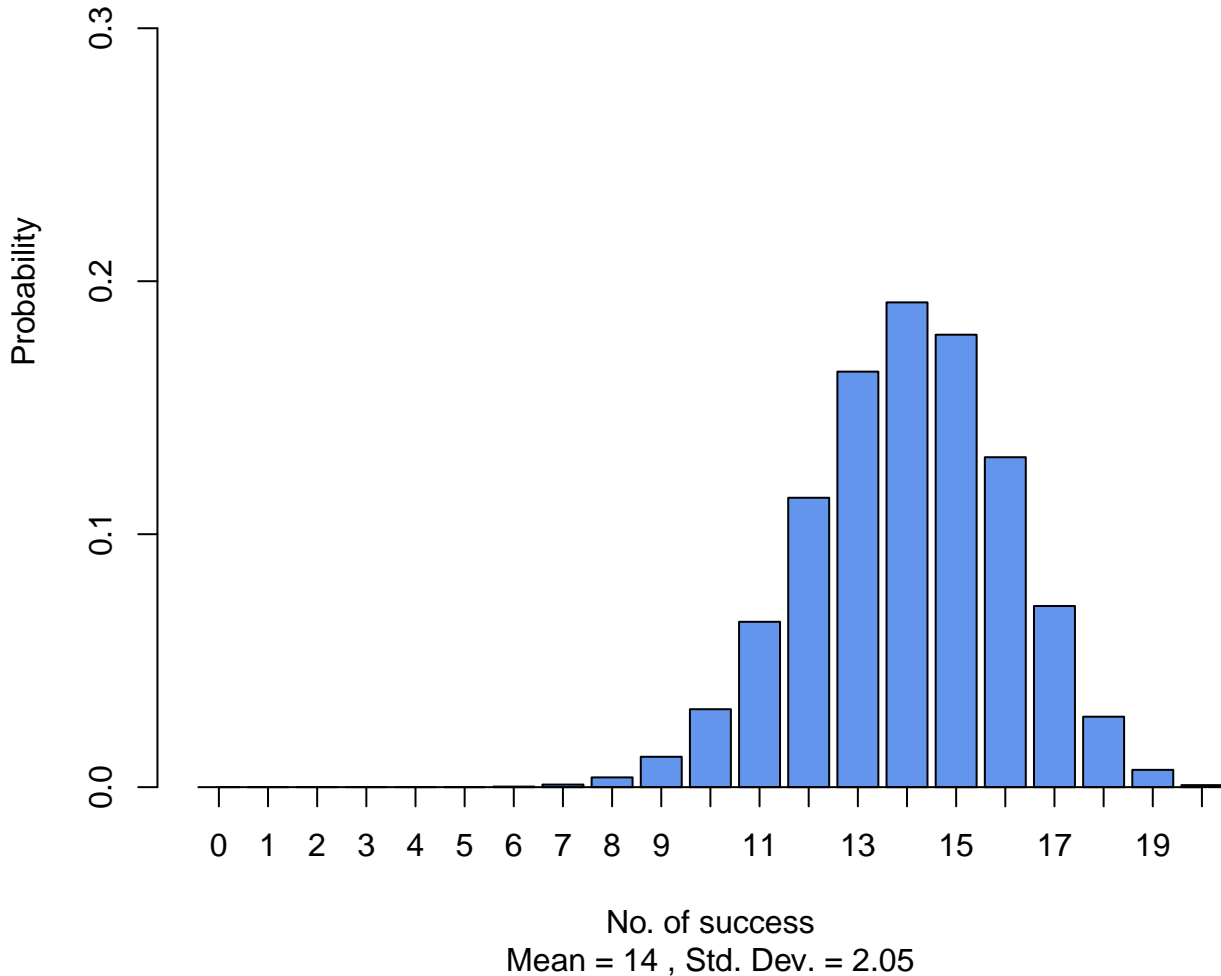
Binomial Distribution: $n = 20$, $p = 0.7$

$$P(X) = 6 = 0$$



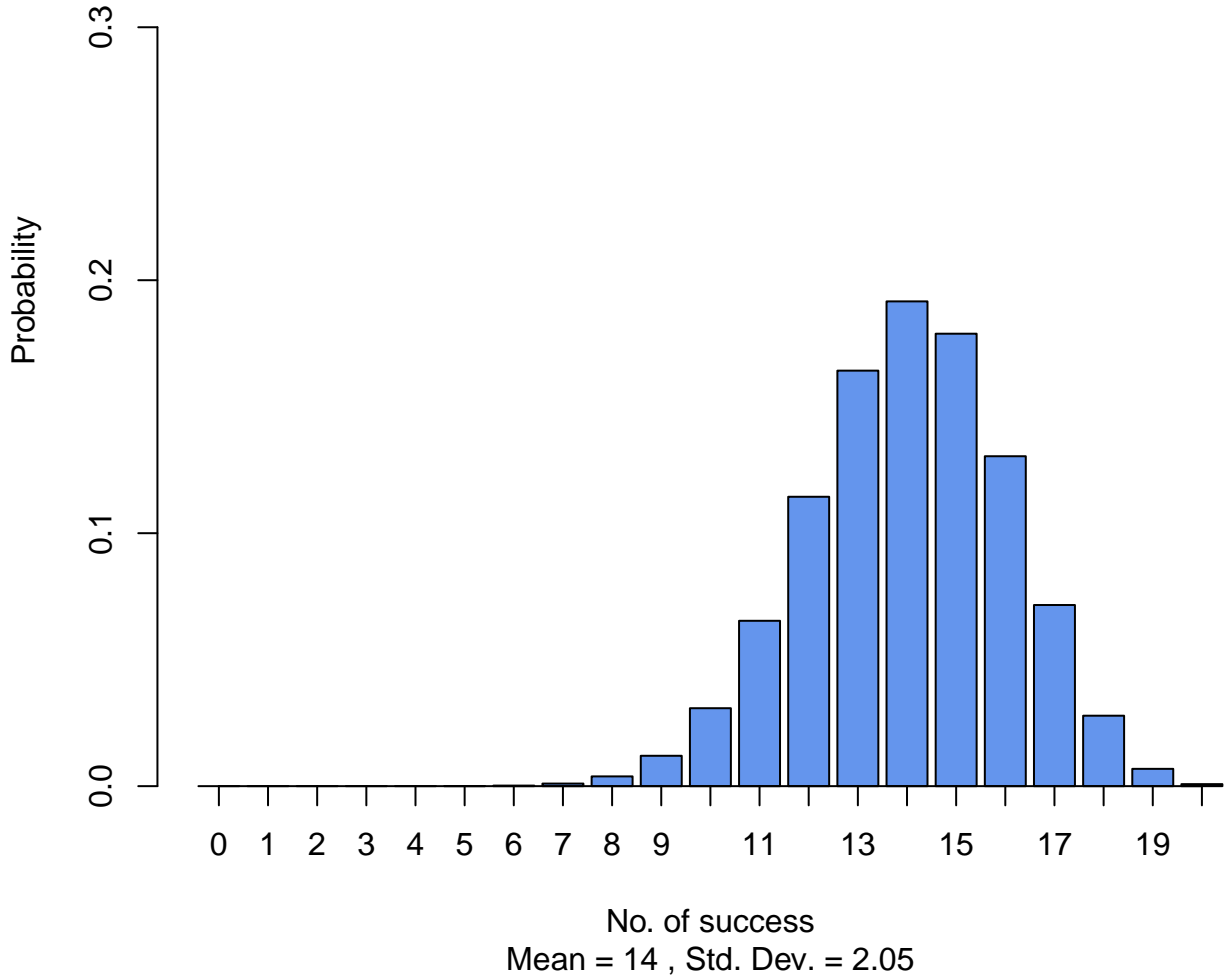
Binomial Distribution: $n = 20$, $p = 0.7$

$$P(X) \leq 6 = 0$$



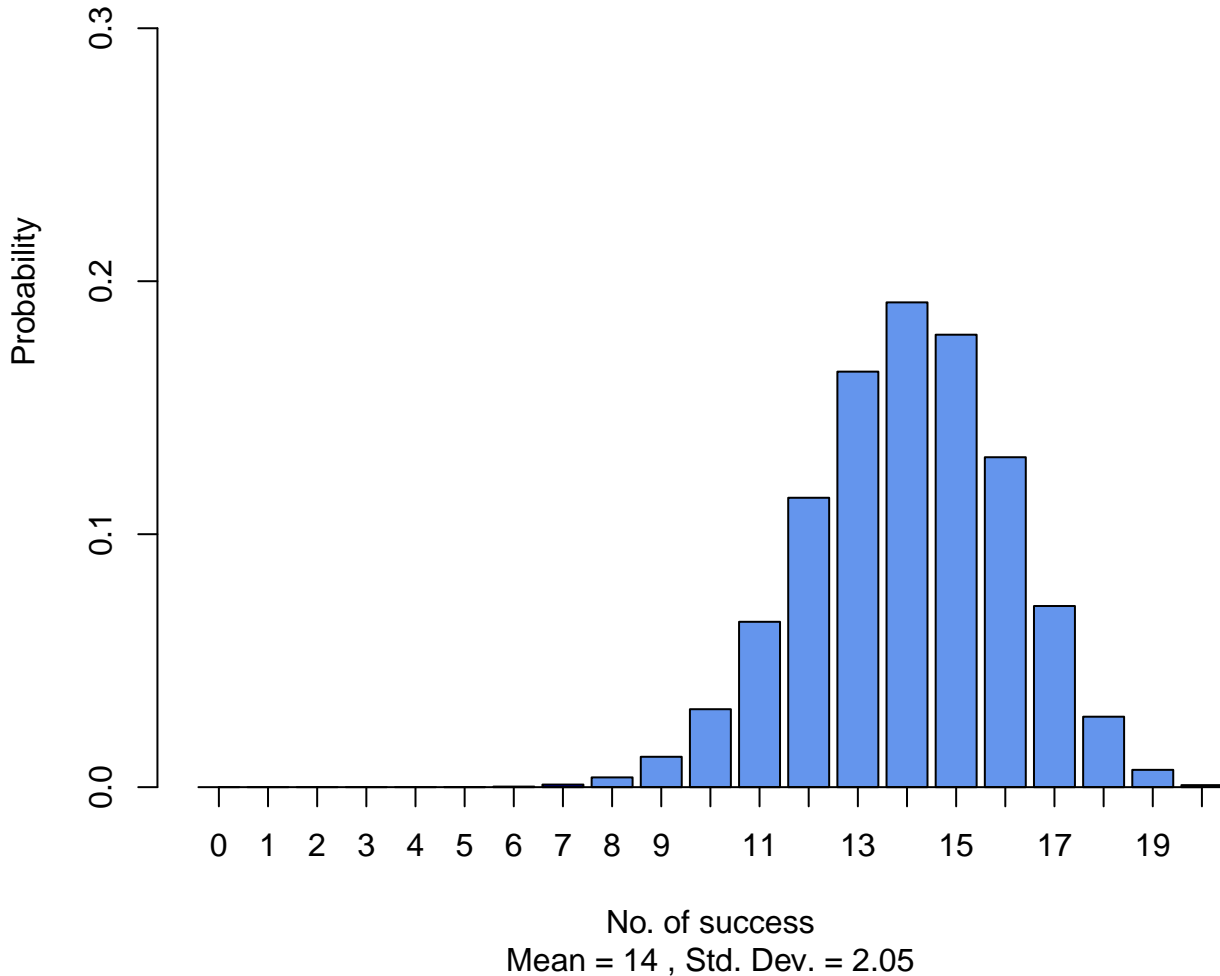
Binomial Distribution: $n = 20$, $p = 0.7$

$$P(X) \geq 6 = 1$$



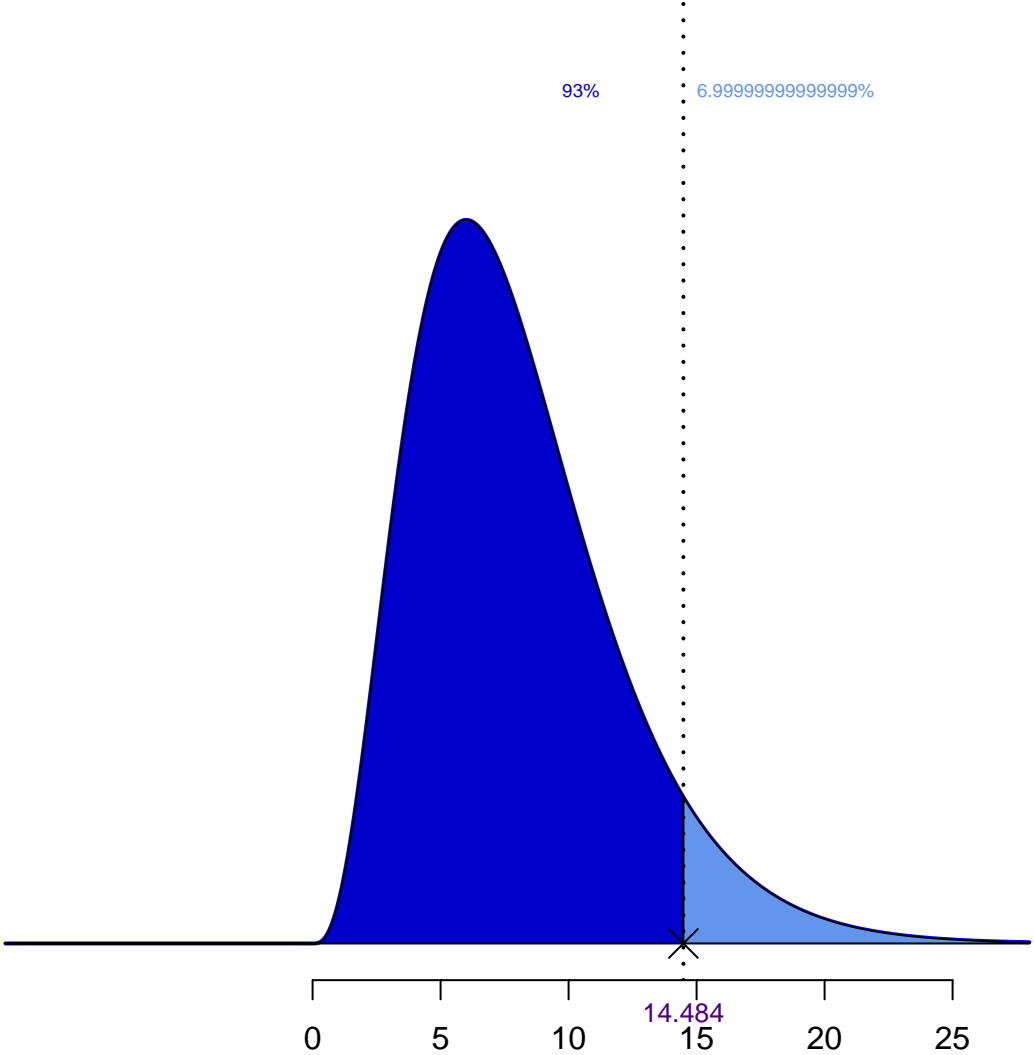
Binomial Distribution: $n = 20$, $p = 0.7$

$$P(2 \leq X \leq 7) = 0.001$$



Chi Square Distribution: df = 8

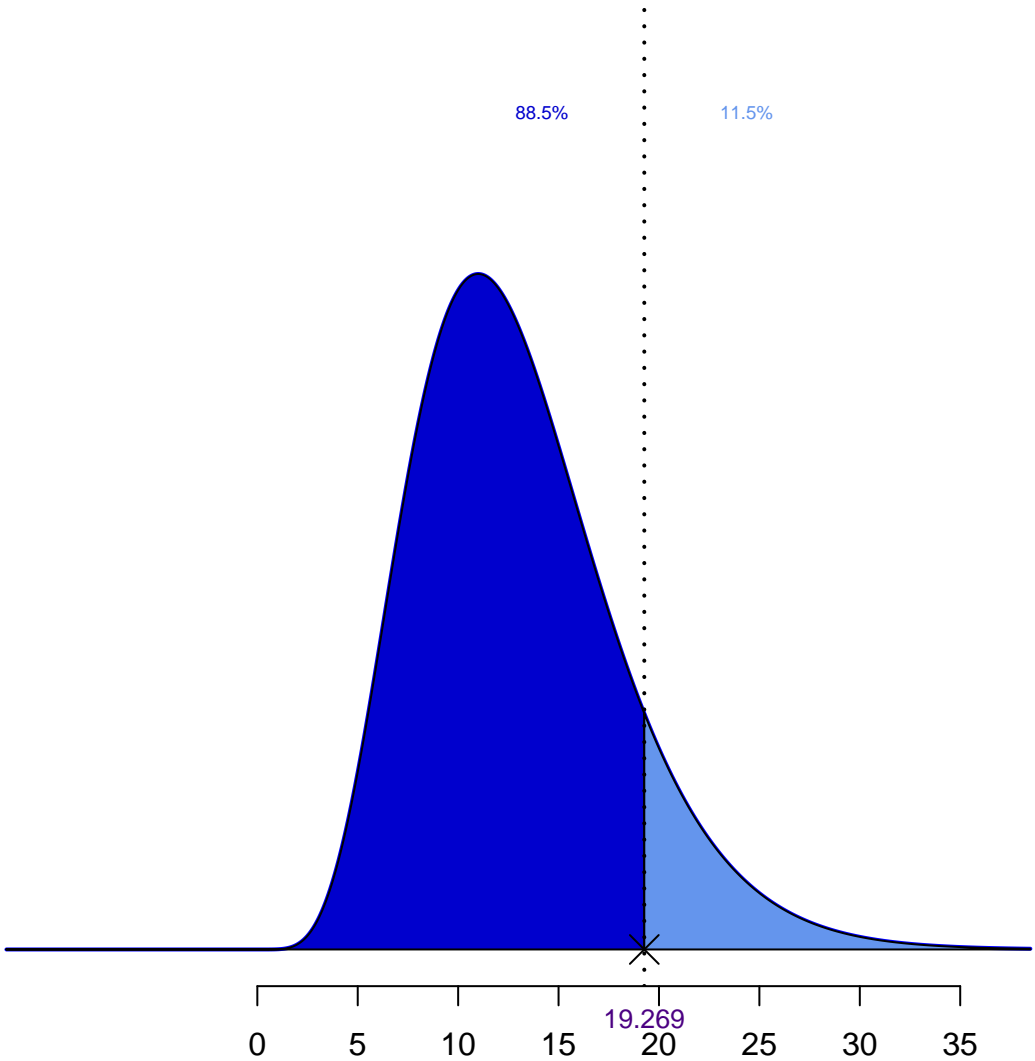
$$P(X < 14.484) = 93\%$$



Mean = 8 Std Dev. = 4

Chi Square Distribution: df = 13

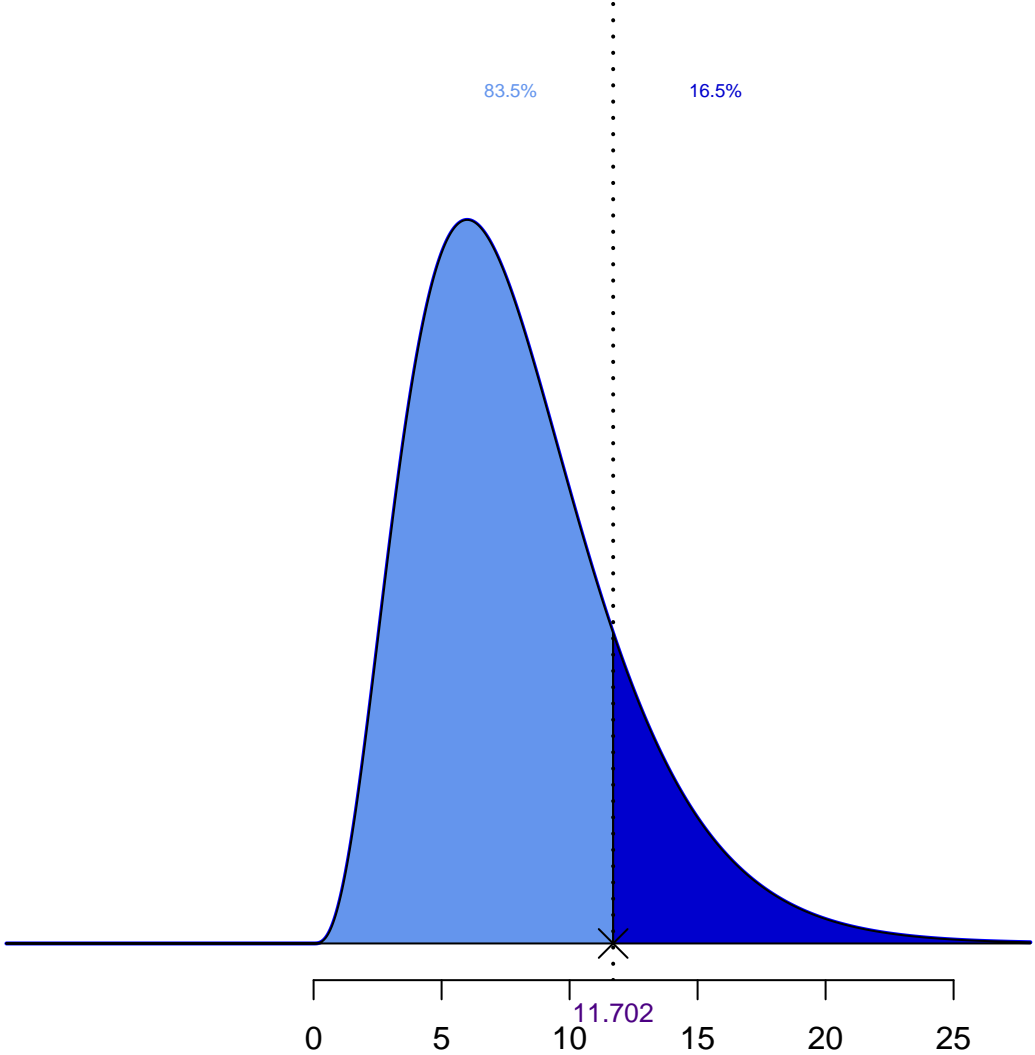
$$P(X < 19.269) = 88.5\%$$



Mean = 13 Std Dev. = 5.099

Chi Square Distribution: df = 8

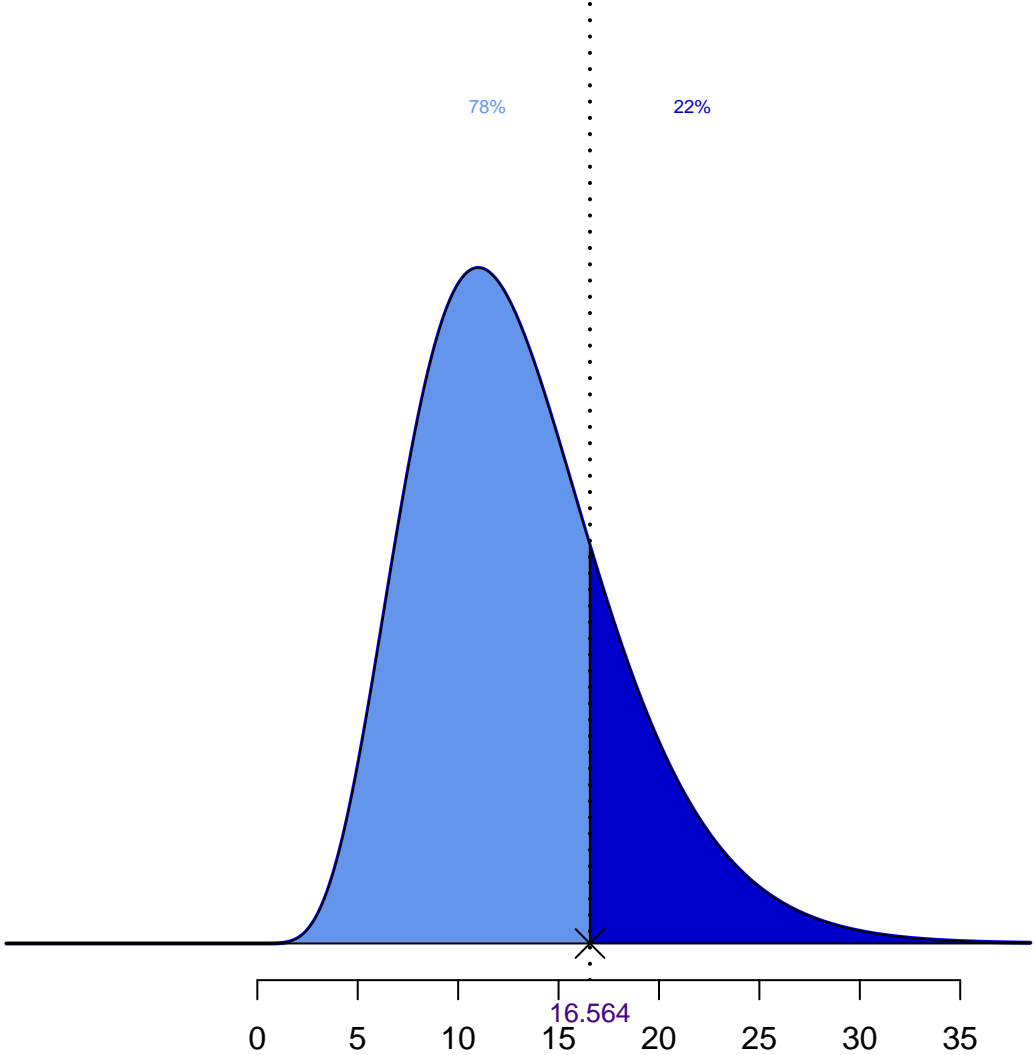
$$P(X > 11.702) = 16.5\%$$



Mean = 8 Std Dev. = 4

Chi Square Distribution: df = 13

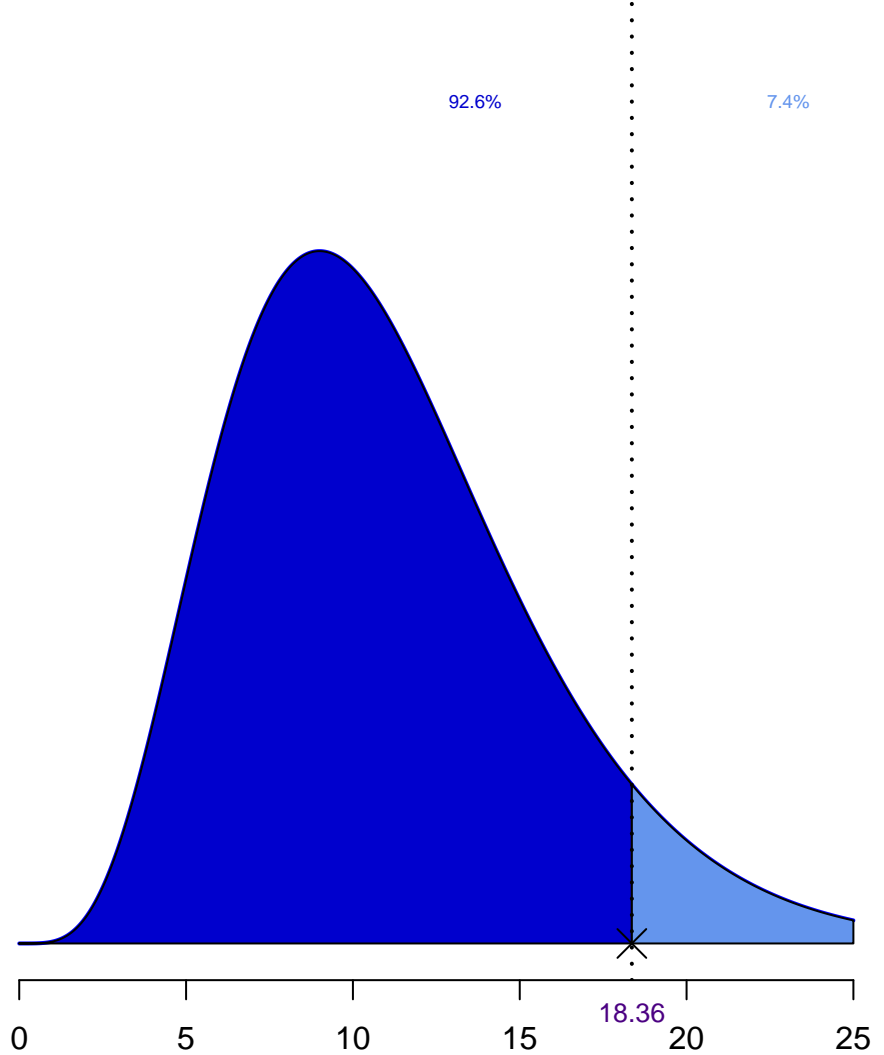
$$P(X > 16.564) = 22\%$$



Mean = 13 Std Dev. = 5.099

Chi Square Distribution: df = 11

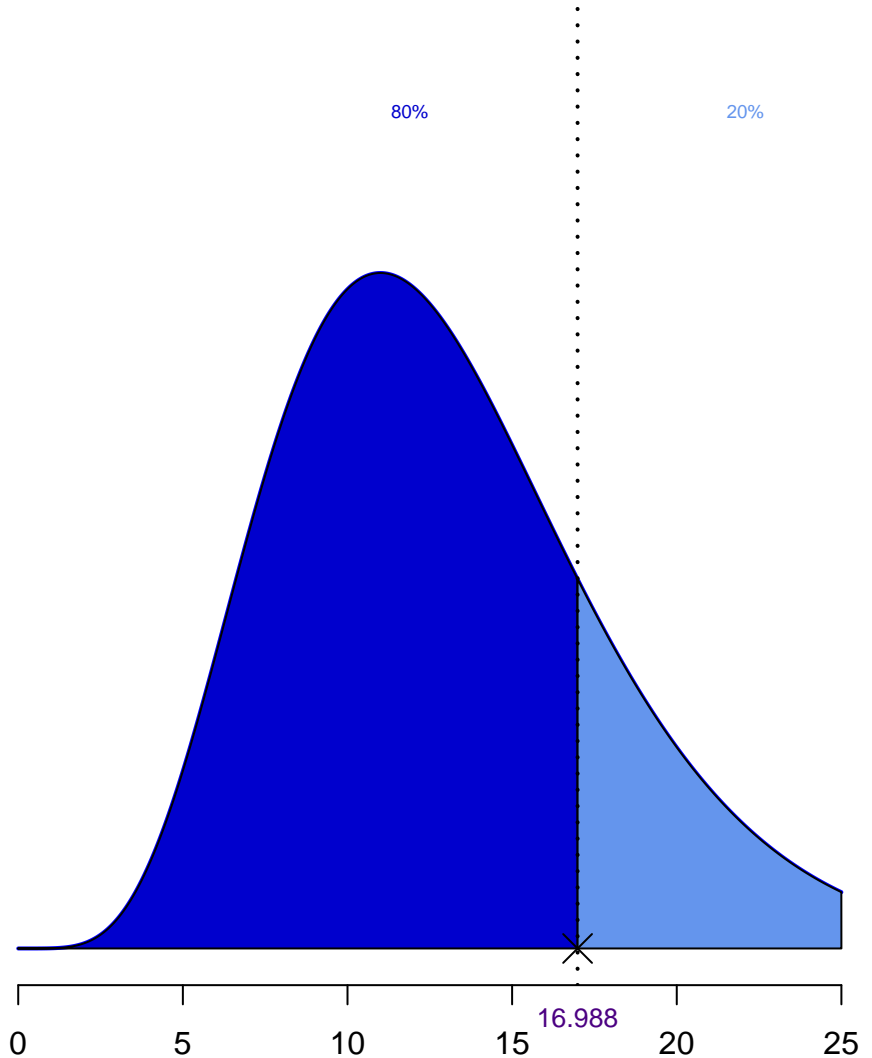
$$P(X < 18.36) = 92.6\%$$



Mean = 11 Std Dev. = 4.69

Chi Square Distribution: df = 13

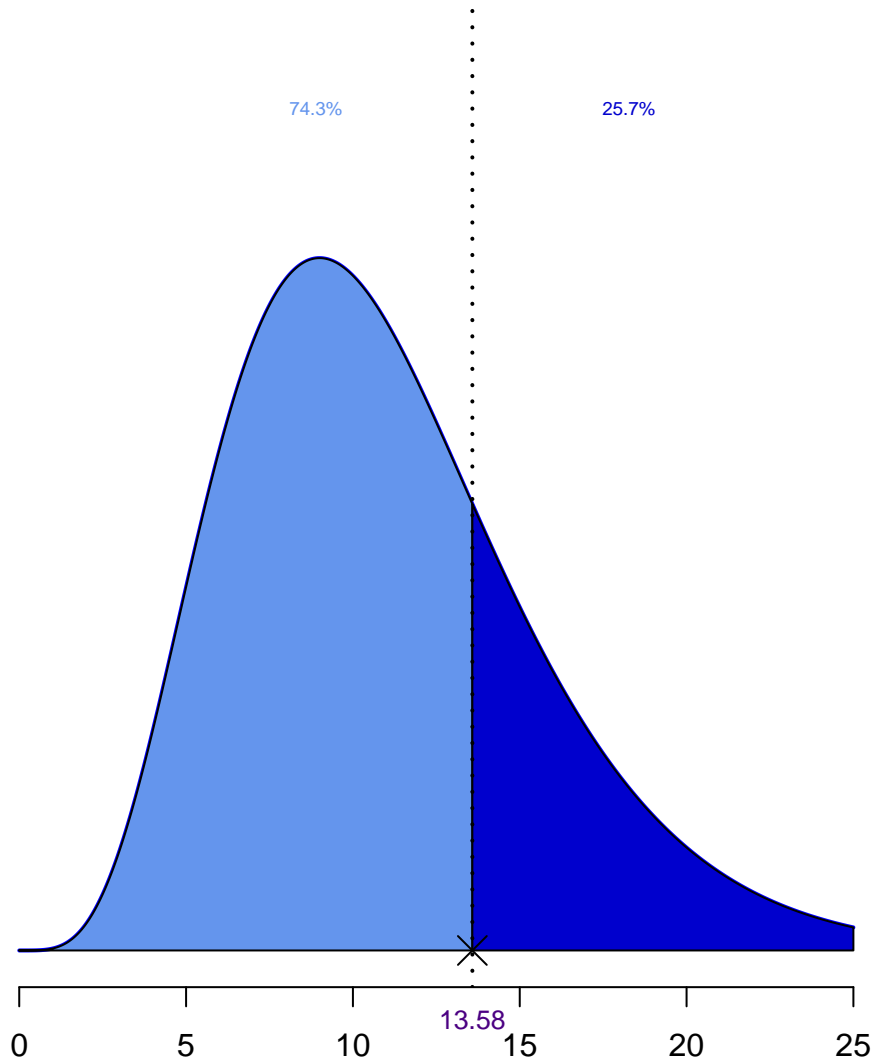
$$P(X < 16.988) = 80\%$$



Mean = 13 Std Dev. = 5.099

Chi Square Distribution: df = 11

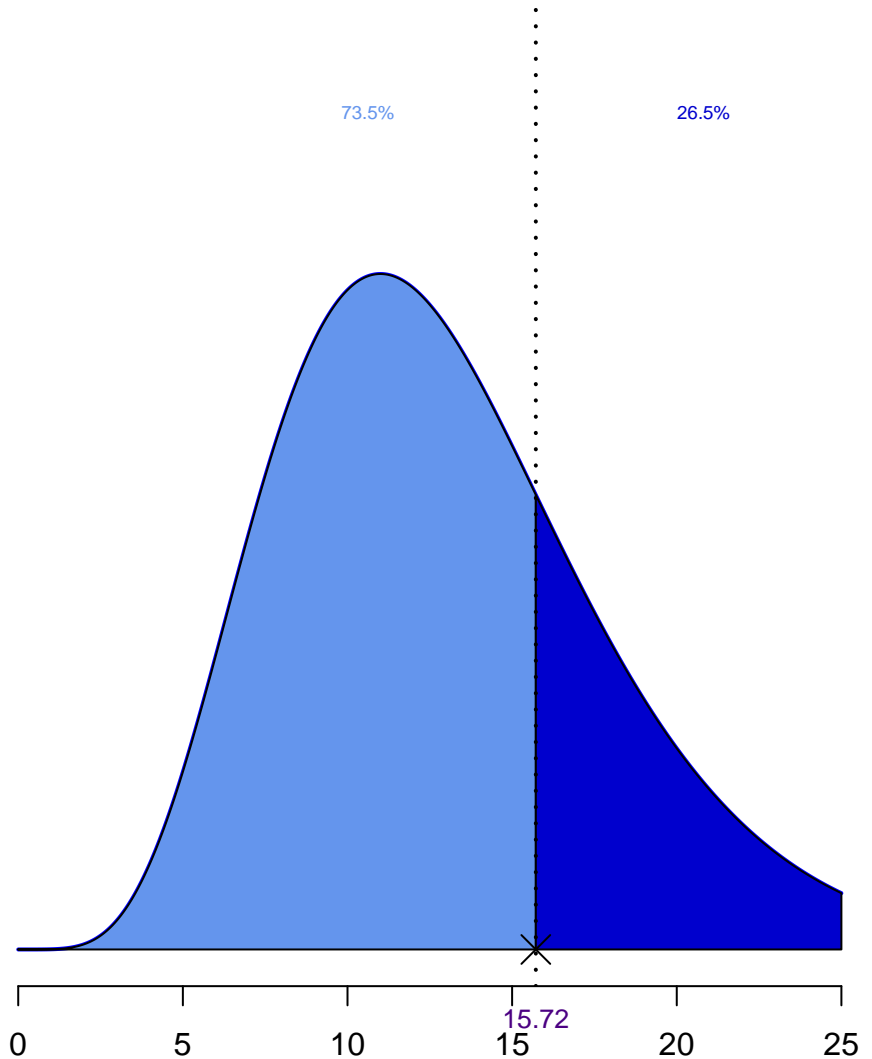
$$P(X > 13.58) = 25.7\%$$



Mean = 11 Std Dev. = 4.69

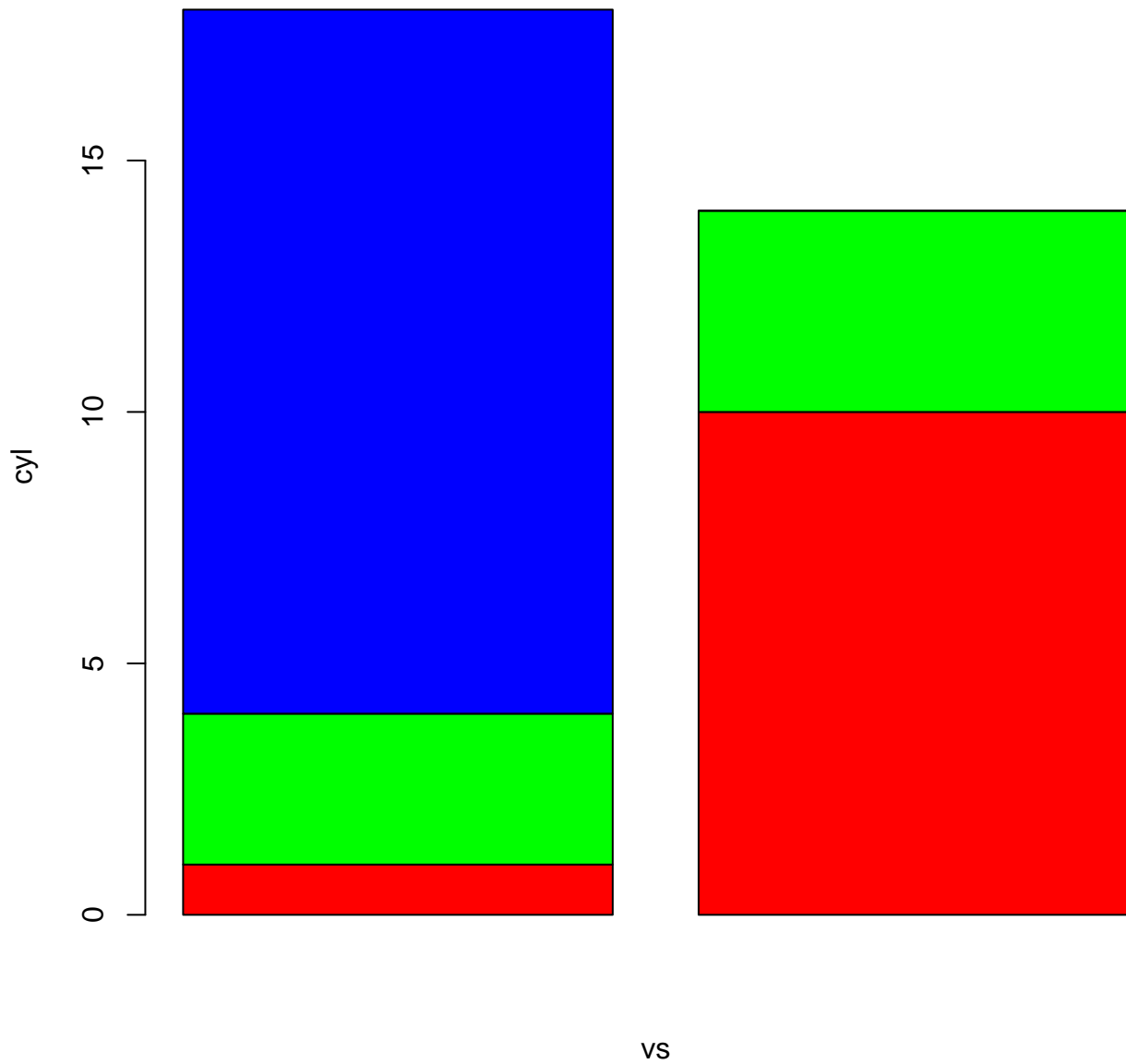
Chi Square Distribution: df = 13

$$P(X > 15.72) = 26.5\%$$

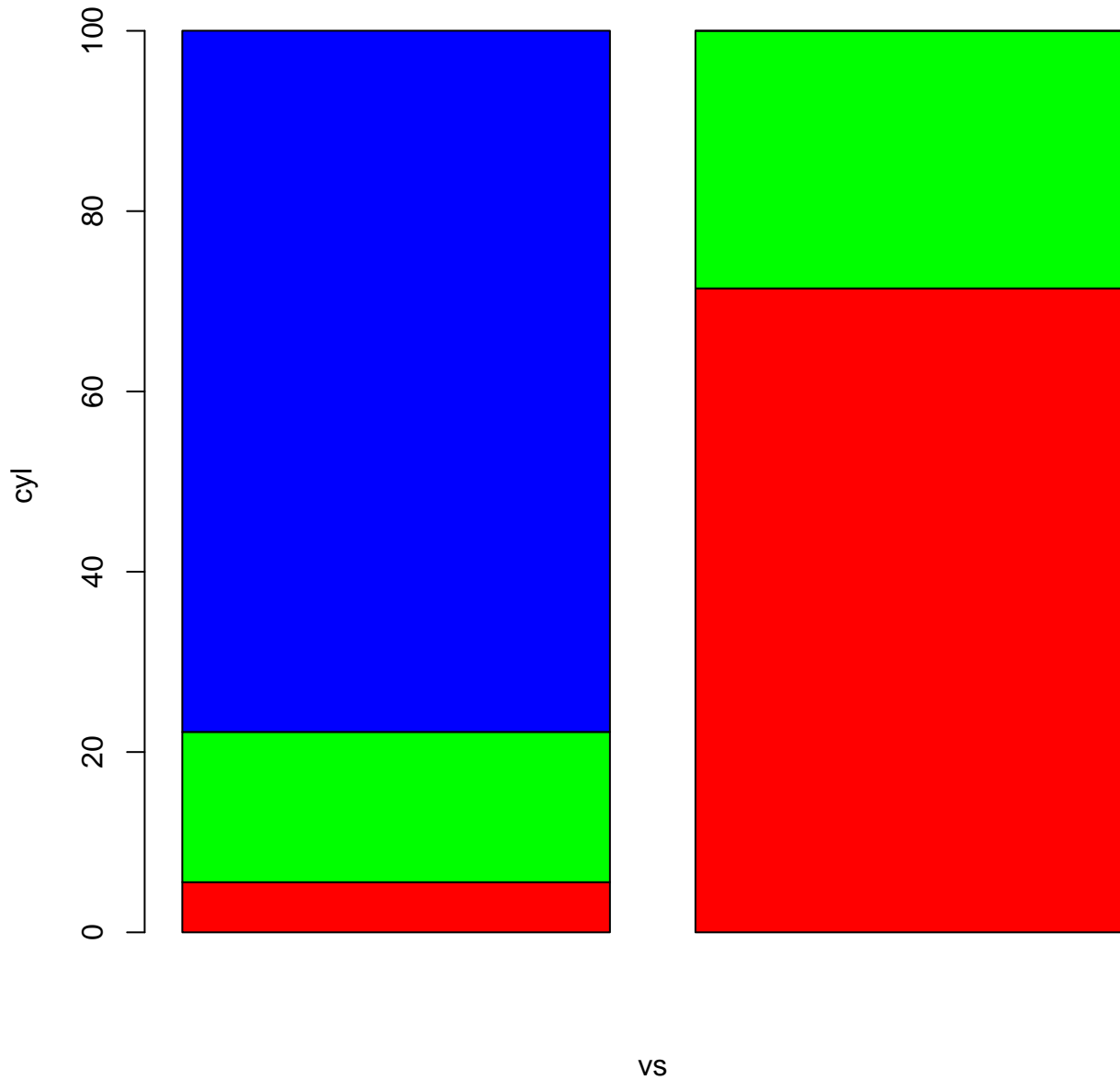


Mean = 13 Std Dev. = 5.099

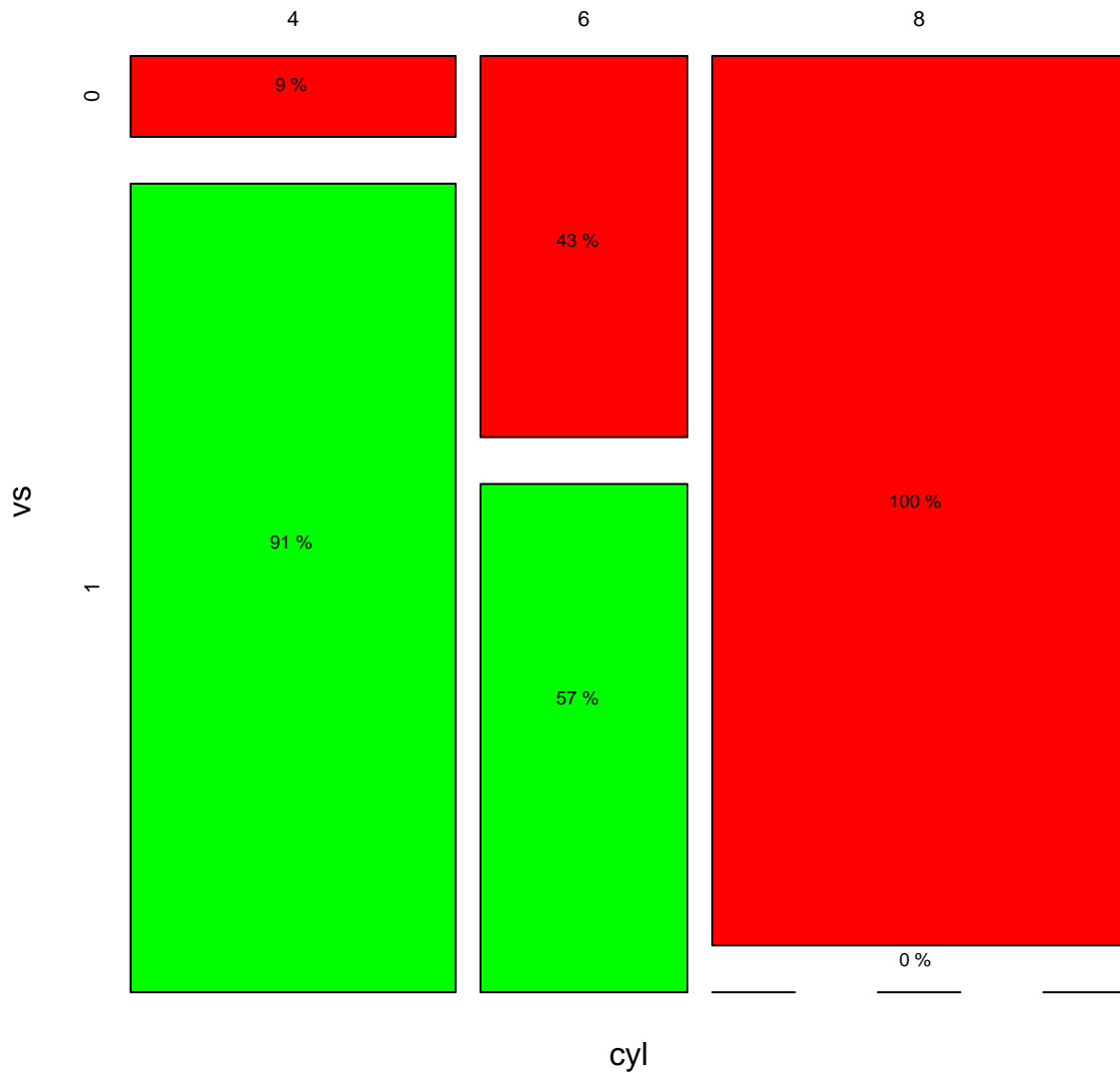
cyl by vs



cyl by vs

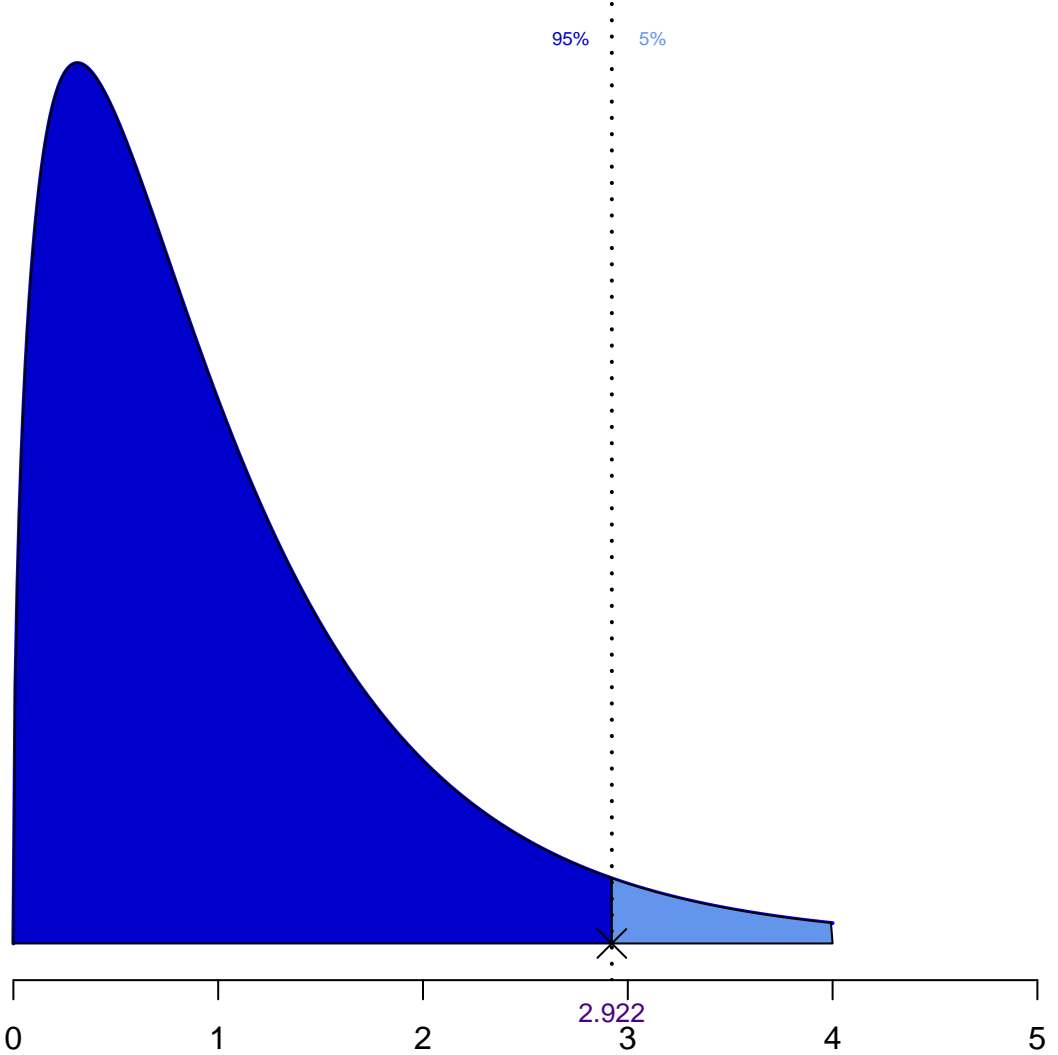


cyl by vs



f distribution

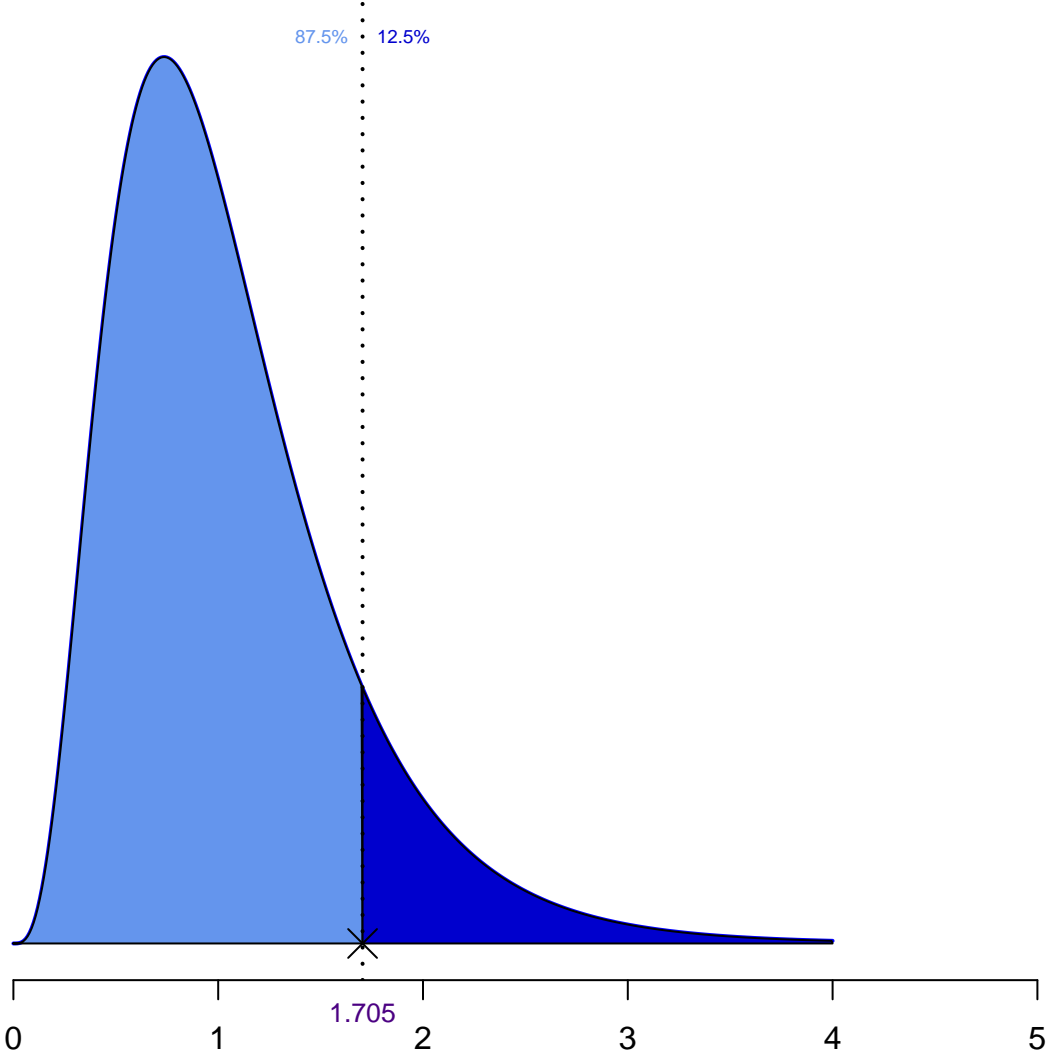
$$P(X < 2.922) = 95\%$$



Mean = 1.071 Std Dev. = 0.955

f distribution

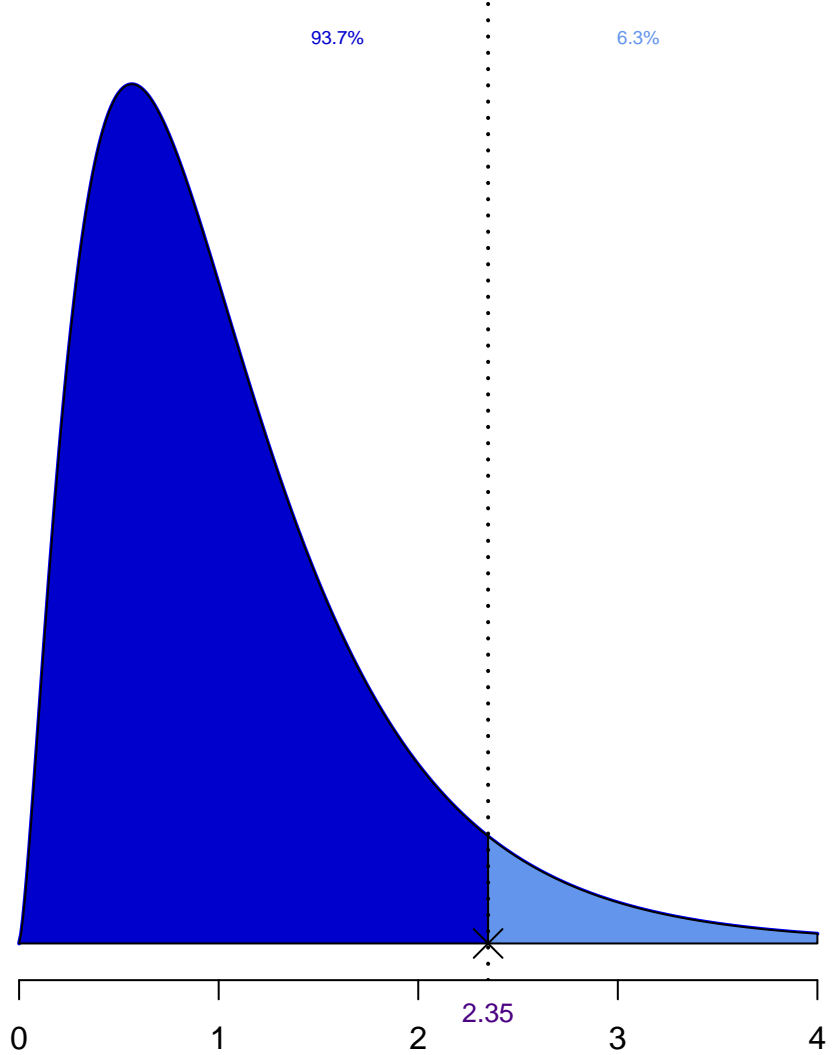
$$P(X > 1.705) = 12.5\%$$



Mean = 1.061 Std Dev. = 0.582

f distribution

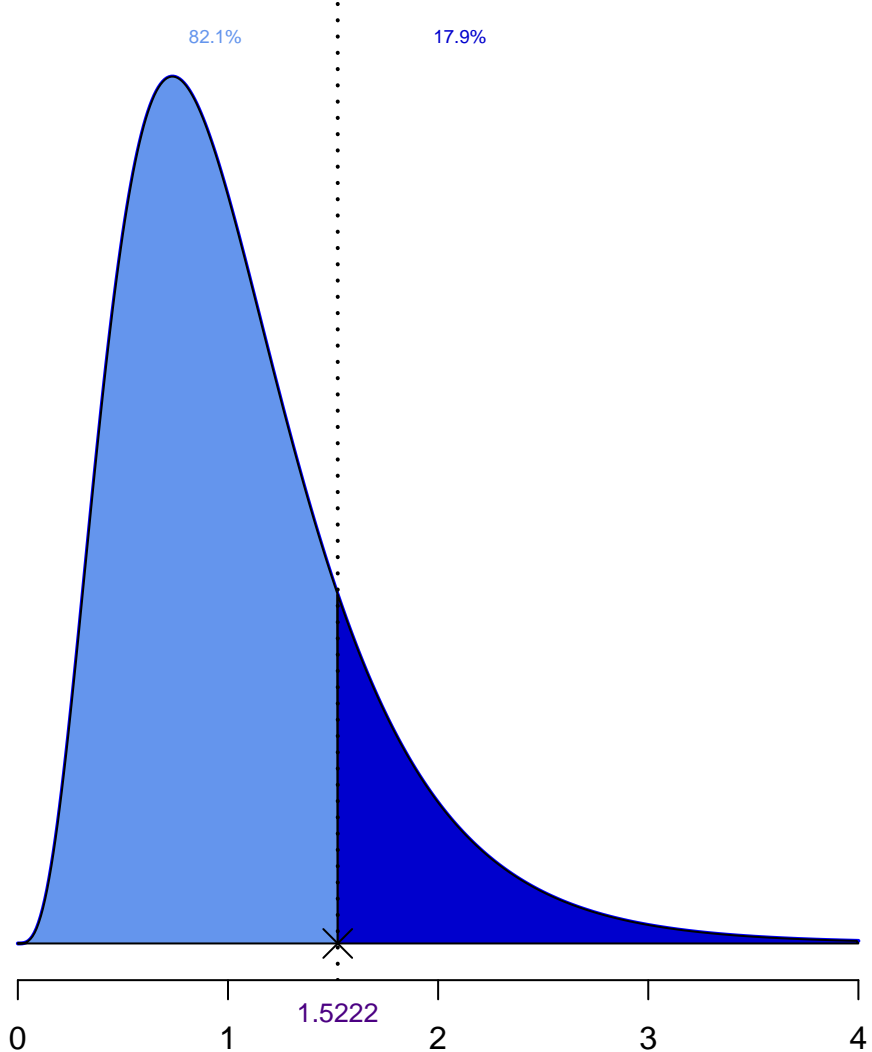
$$P(X < 2.35) = 93.7\%$$



Mean = 1.067 Std Dev. = 0.754

f distribution

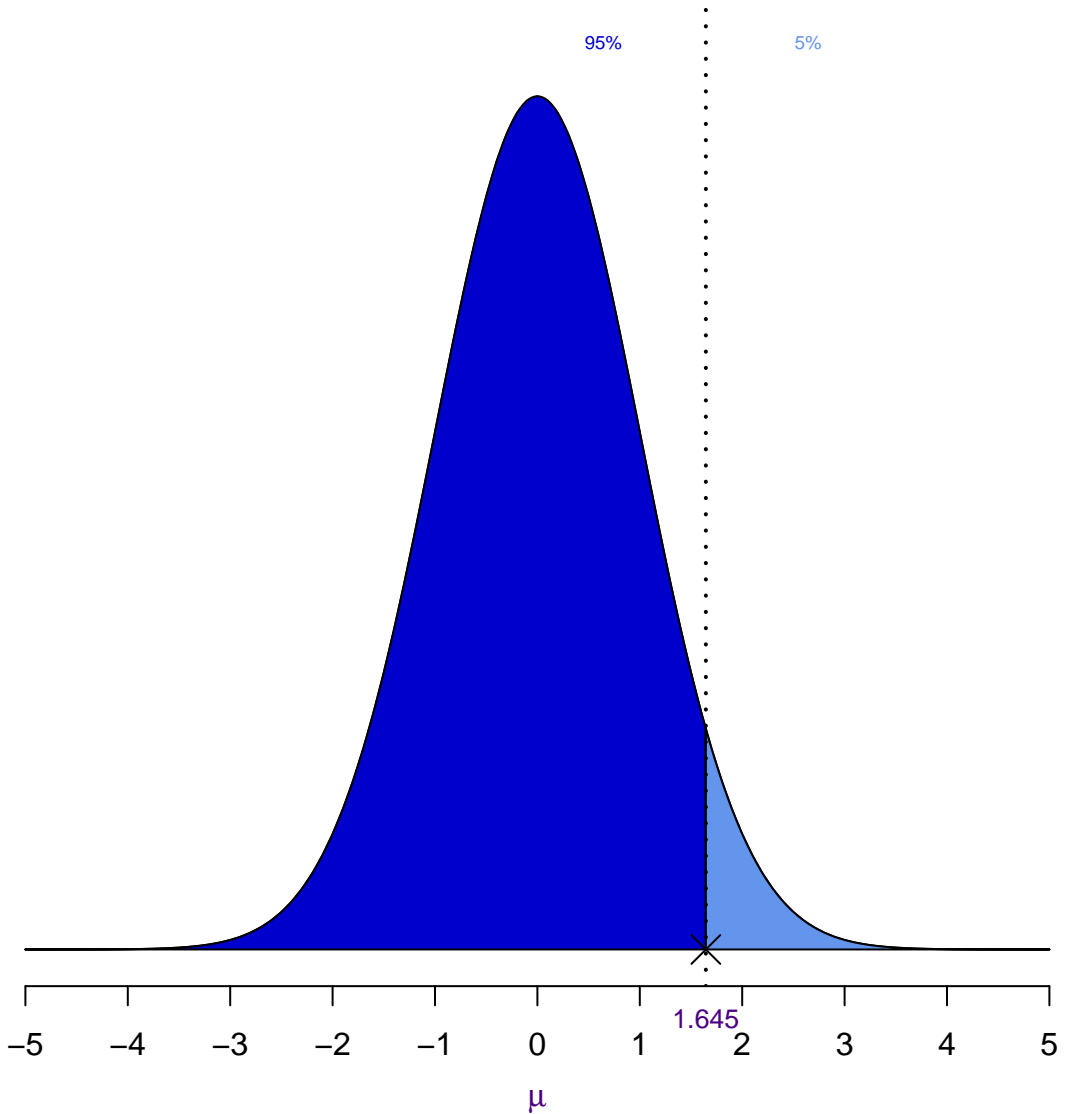
$$P(X > 1.5222) = 17.9\%$$



Mean = 1.061 Std Dev. = 0.582

Normal Distribution

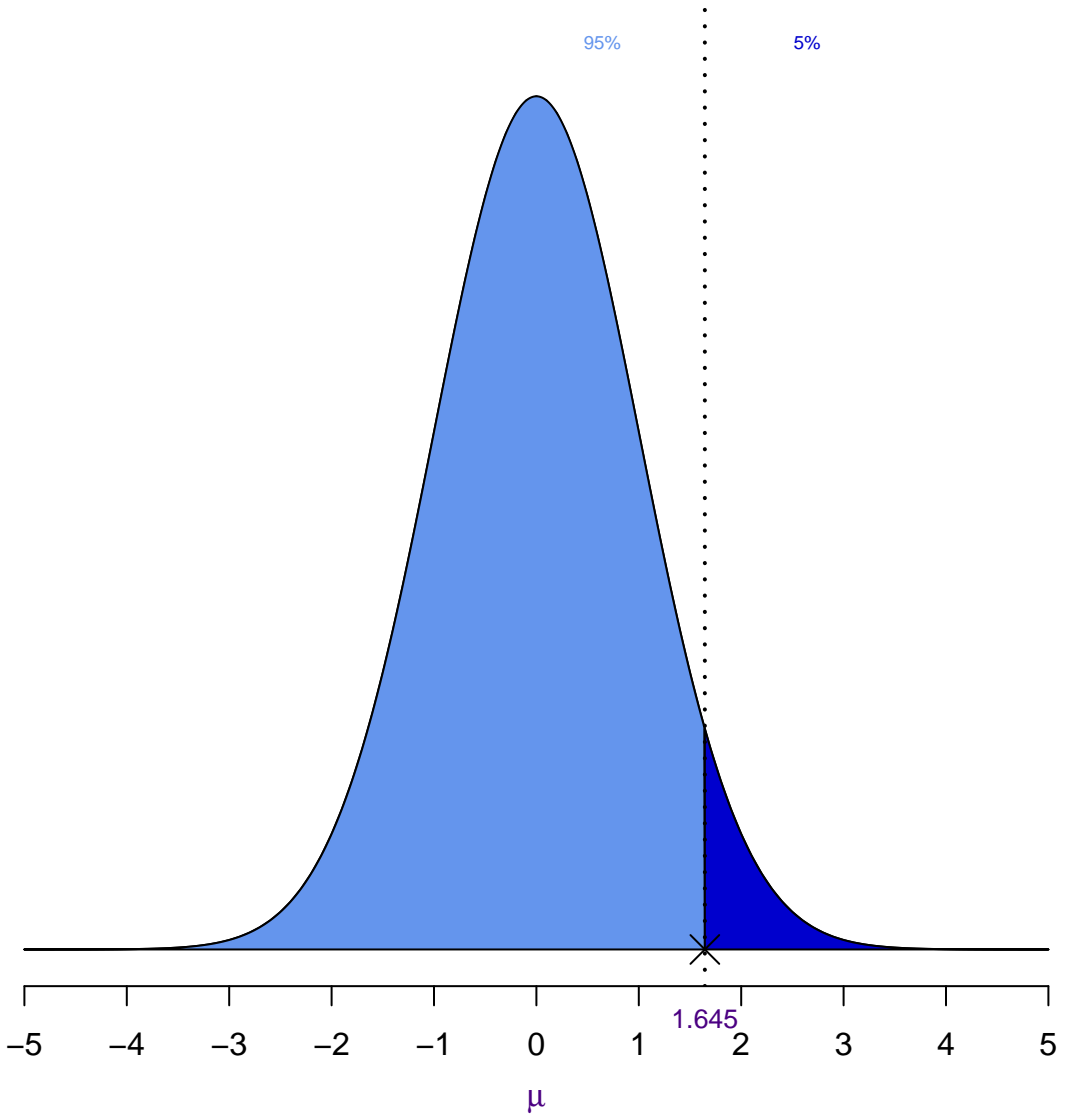
$$P(X < 1.645) = 95\%$$



Mean: 0 Standard Deviation: 1

Normal Distribution

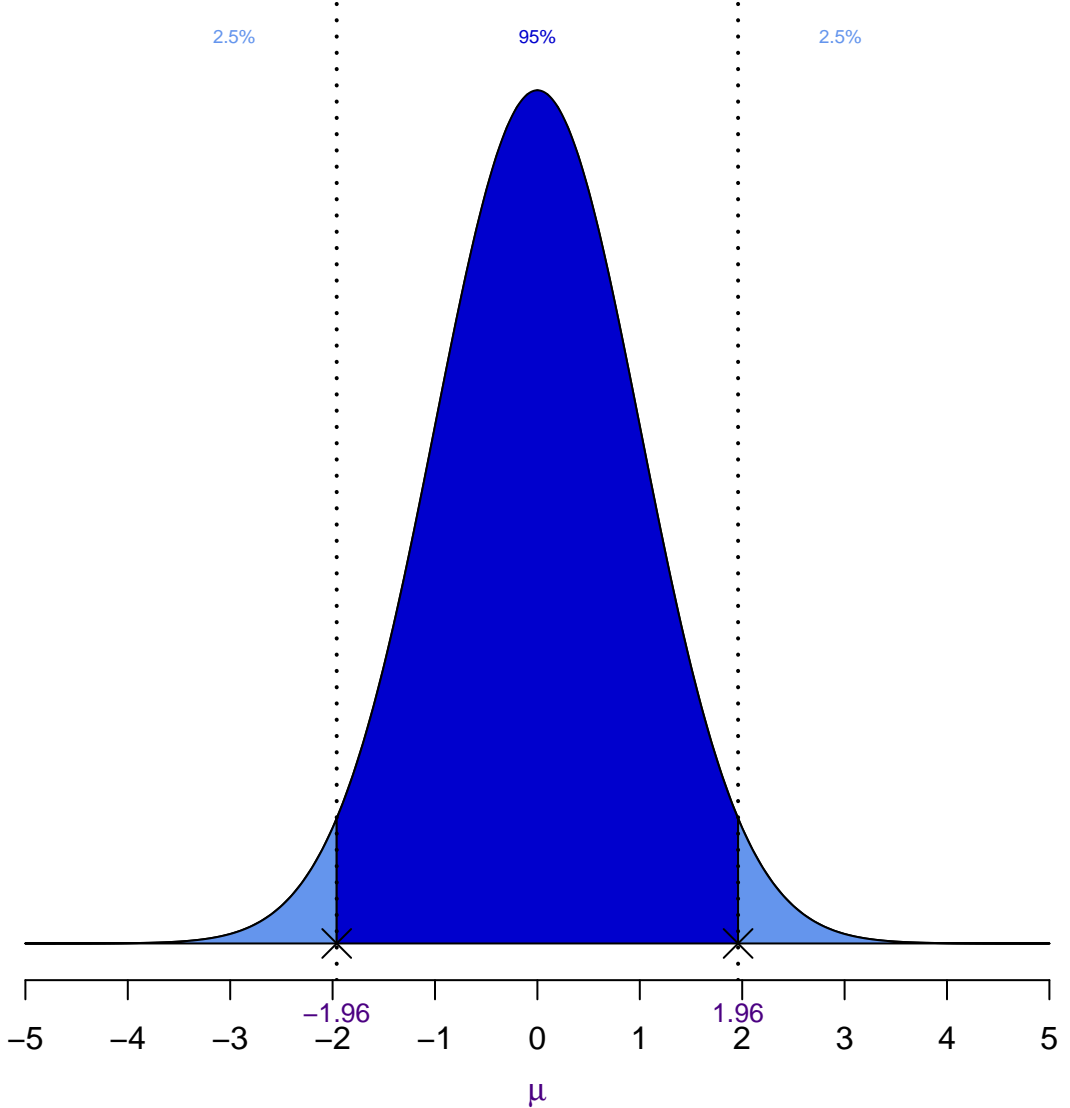
$$P(X > 1.645) = 5\%$$



Mean: 0 Standard Deviation: 1

Normal Distribution

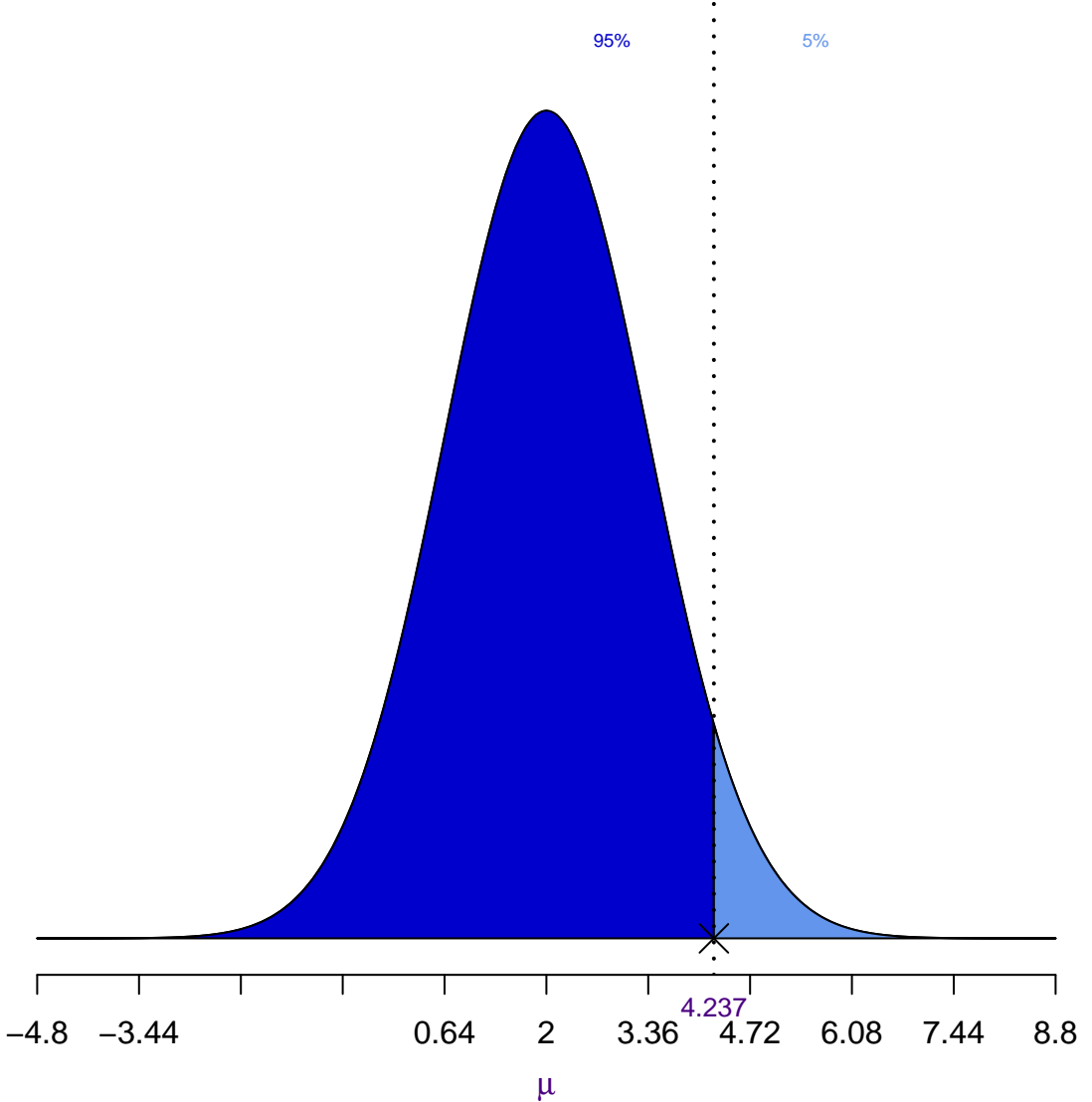
$$P(-1.96 < X < 1.96) = 95\%$$



Mean: 0 Standard Deviation: 1

Normal Distribution

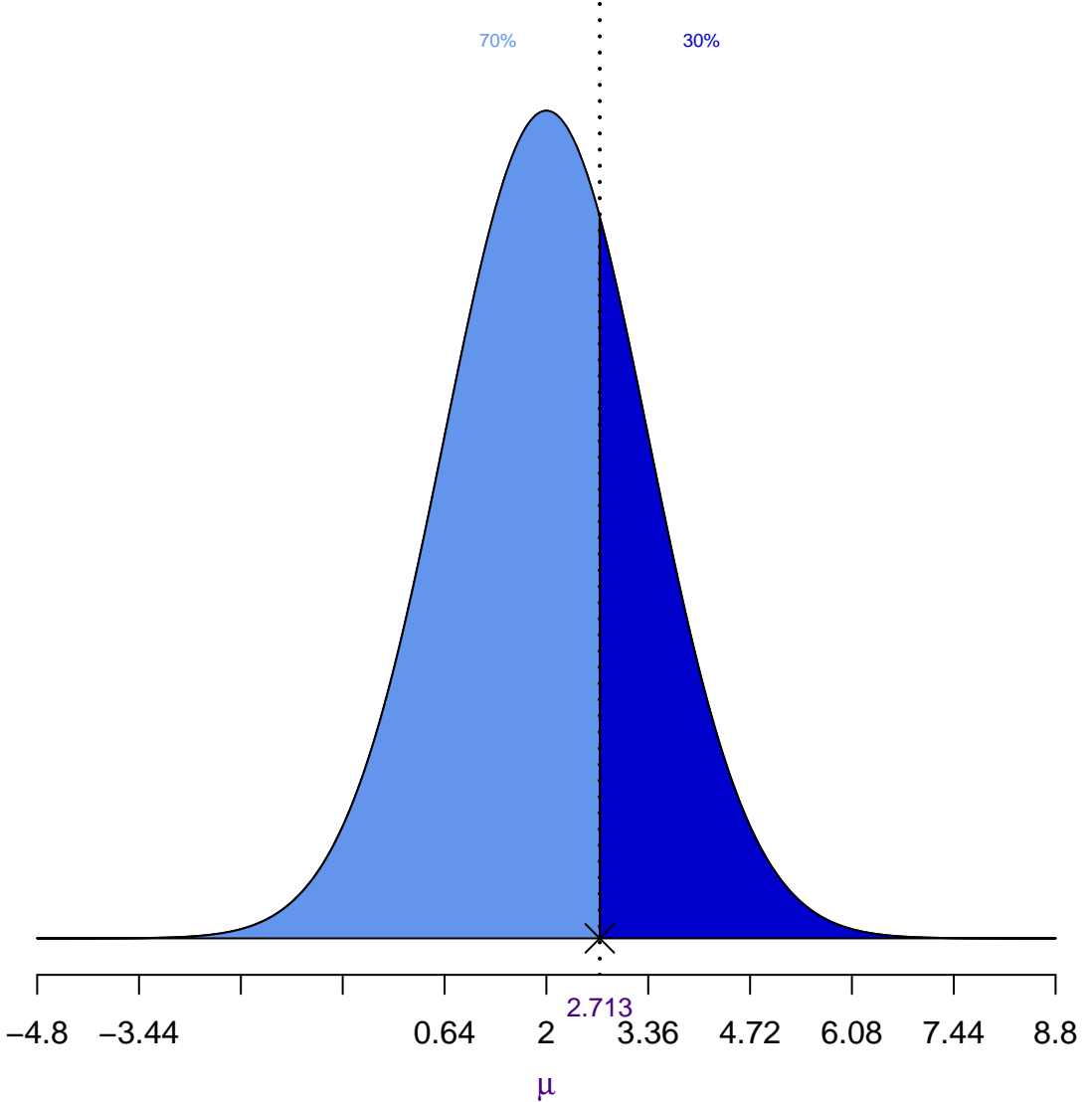
$$P(X < 4.237) = 95\%$$



Mean: 2 Standard Deviation: 1.36

Normal Distribution

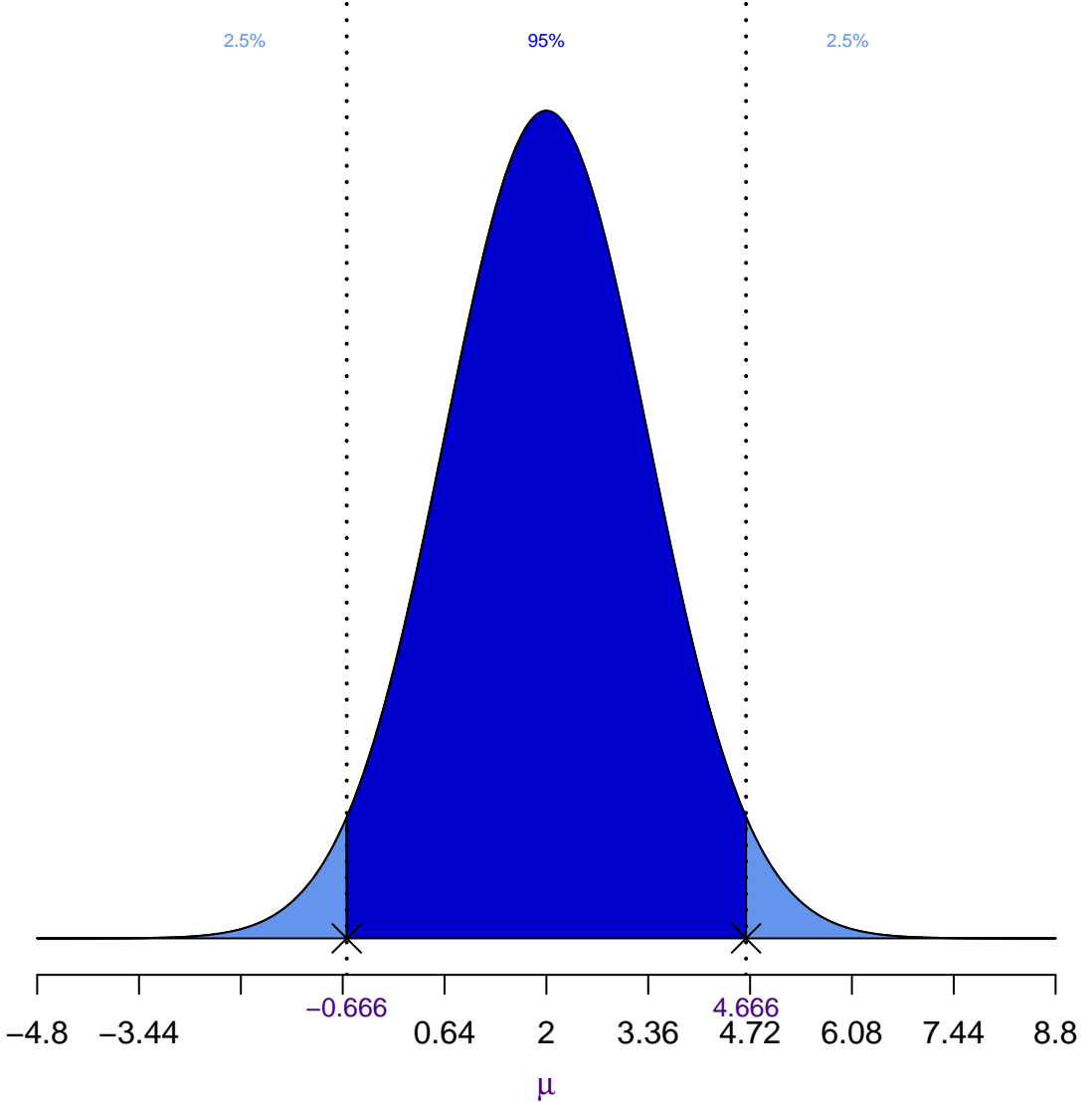
$$P(X > 2.713) = 30\%$$



Mean: 2 Standard Deviation: 1.36

Normal Distribution

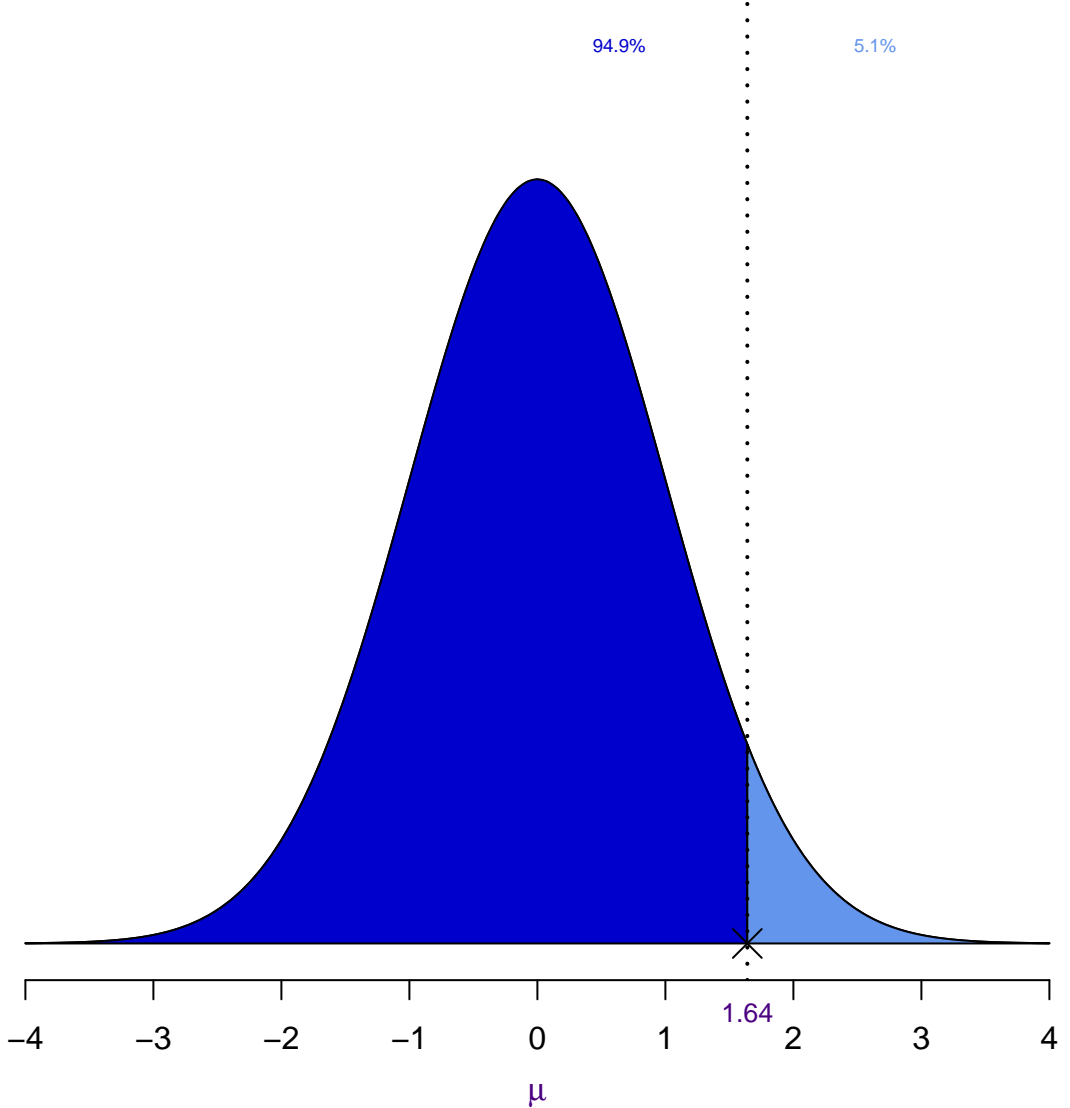
$$P(-0.666 < X < 4.666) = 95\%$$



Mean: 2 Standard Deviation: 1.36

Normal Distribution

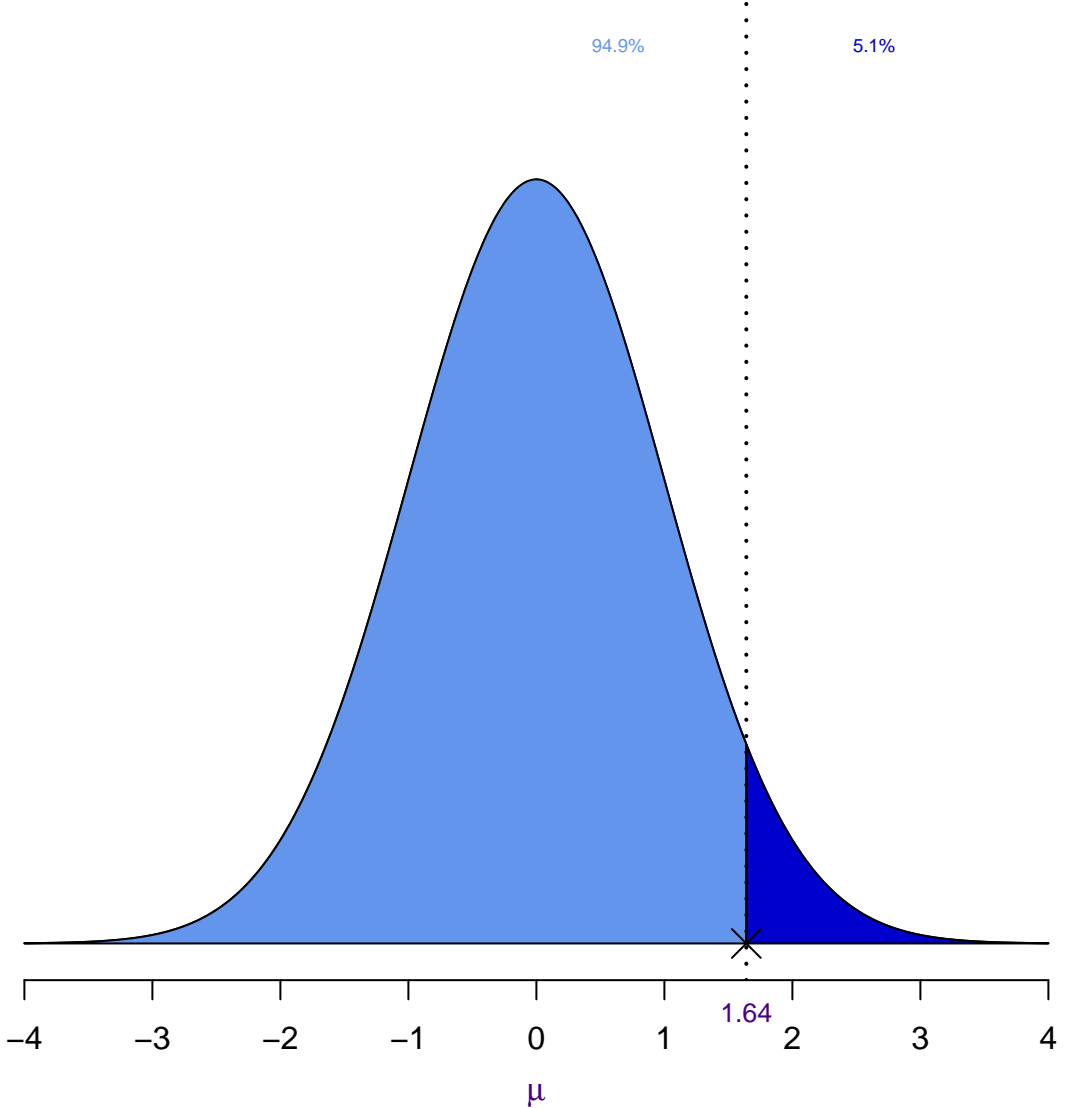
$$P(X < 1.64) = 94.9\%$$



Mean: 0 Standard Deviation: 1

Normal Distribution

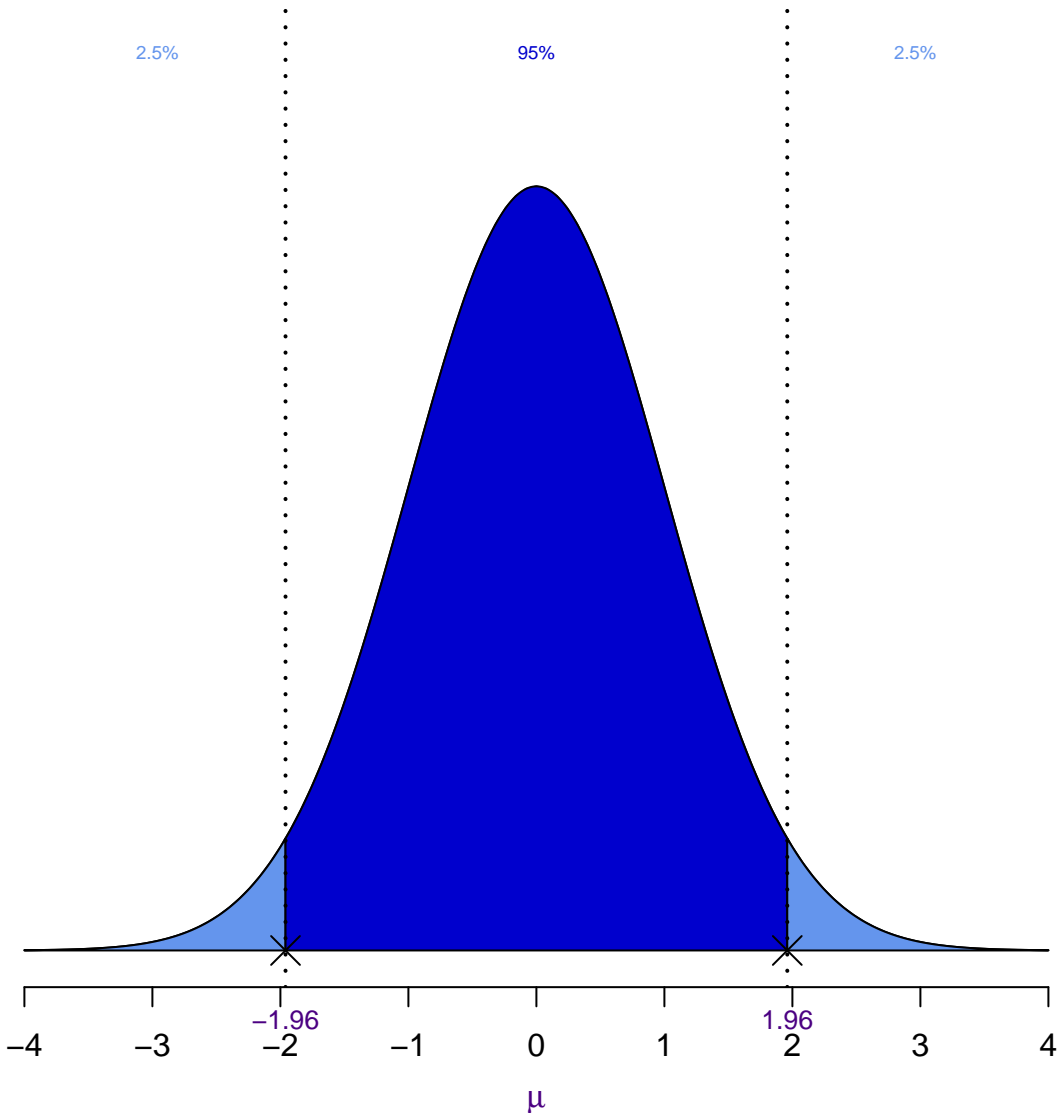
$$P(X > 1.64) = 5.1\%$$



Mean: 0 Standard Deviation: 1

Normal Distribution

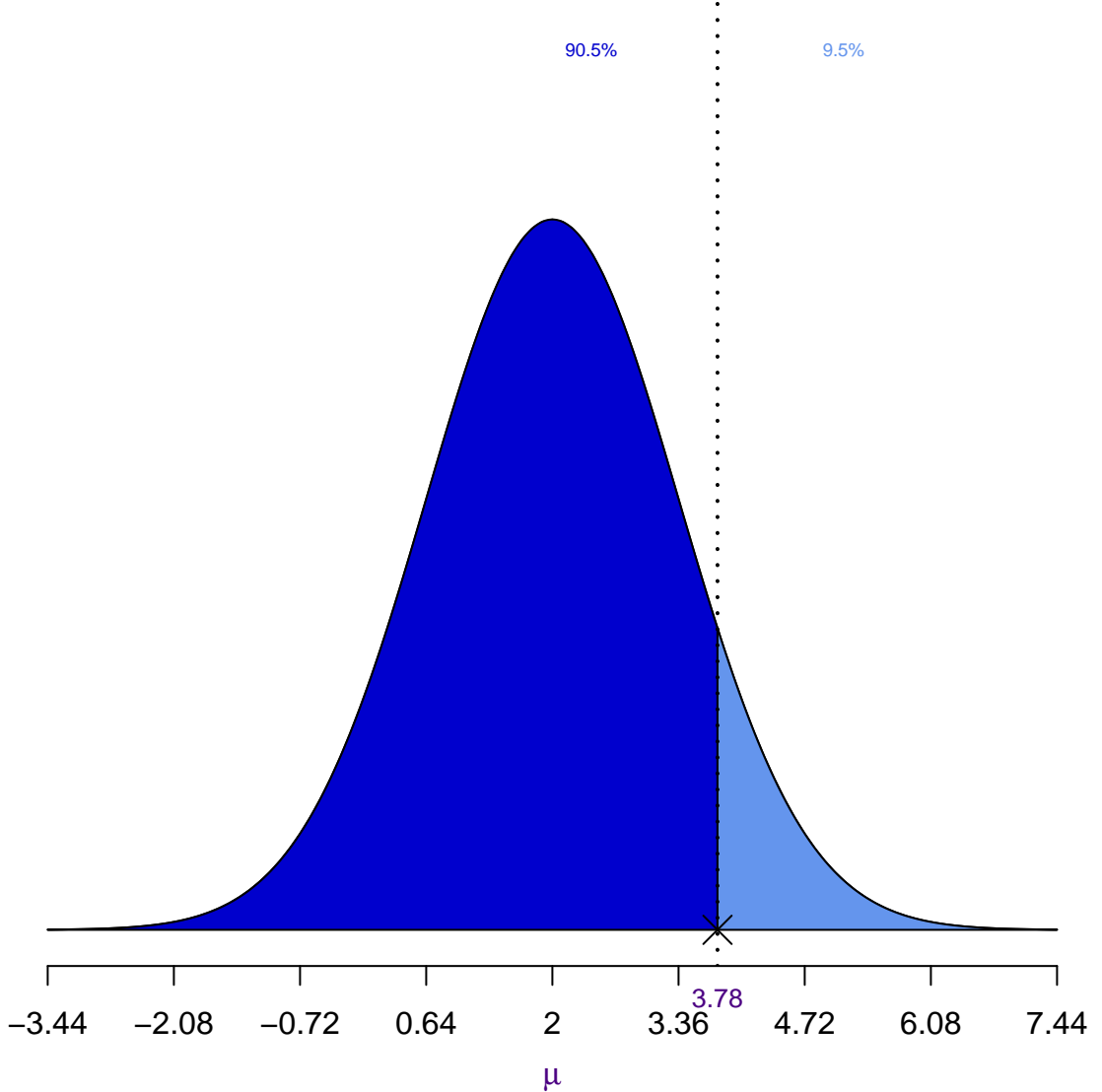
$$P(-1.96 < X < 1.96) = 95\%$$



Mean: 0 Standard Deviation: 1

Normal Distribution

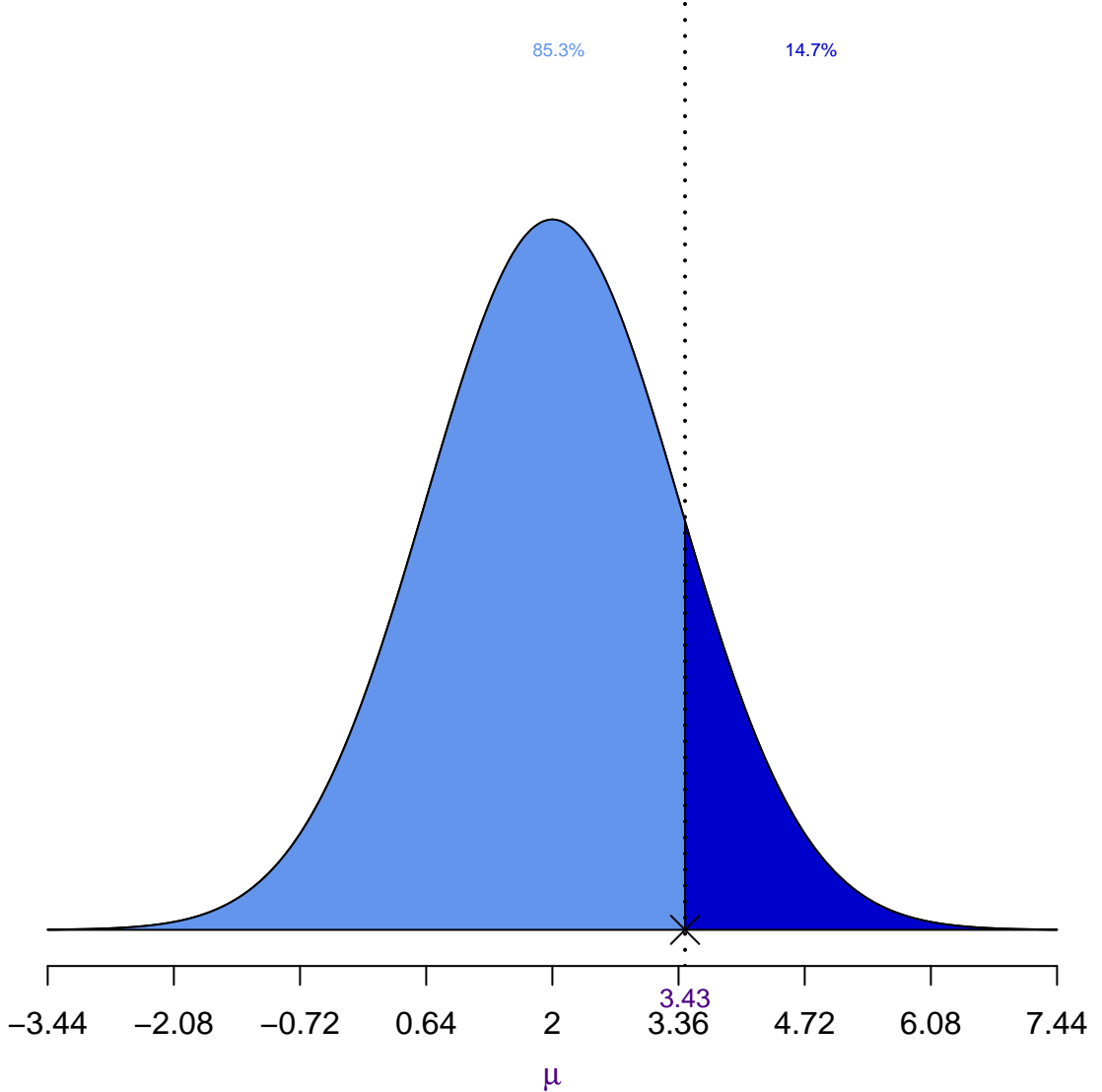
$$P(X < 3.78) = 90.5\%$$



Mean: 2 Standard Deviation: 1.36

Normal Distribution

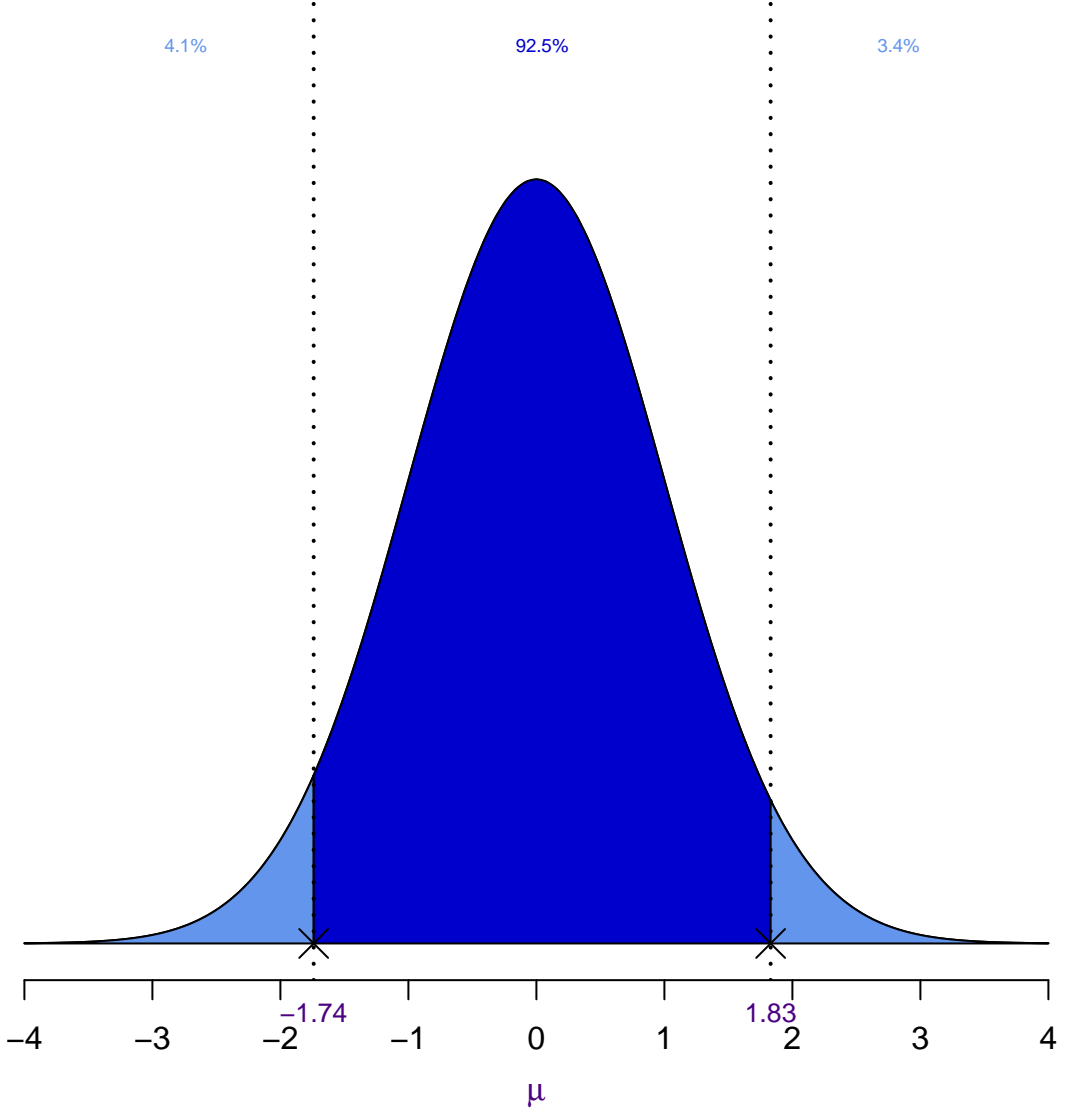
$$P(X > 3.43) = 14.7\%$$



Mean: 2 Standard Deviation: 1.36

Normal Distribution

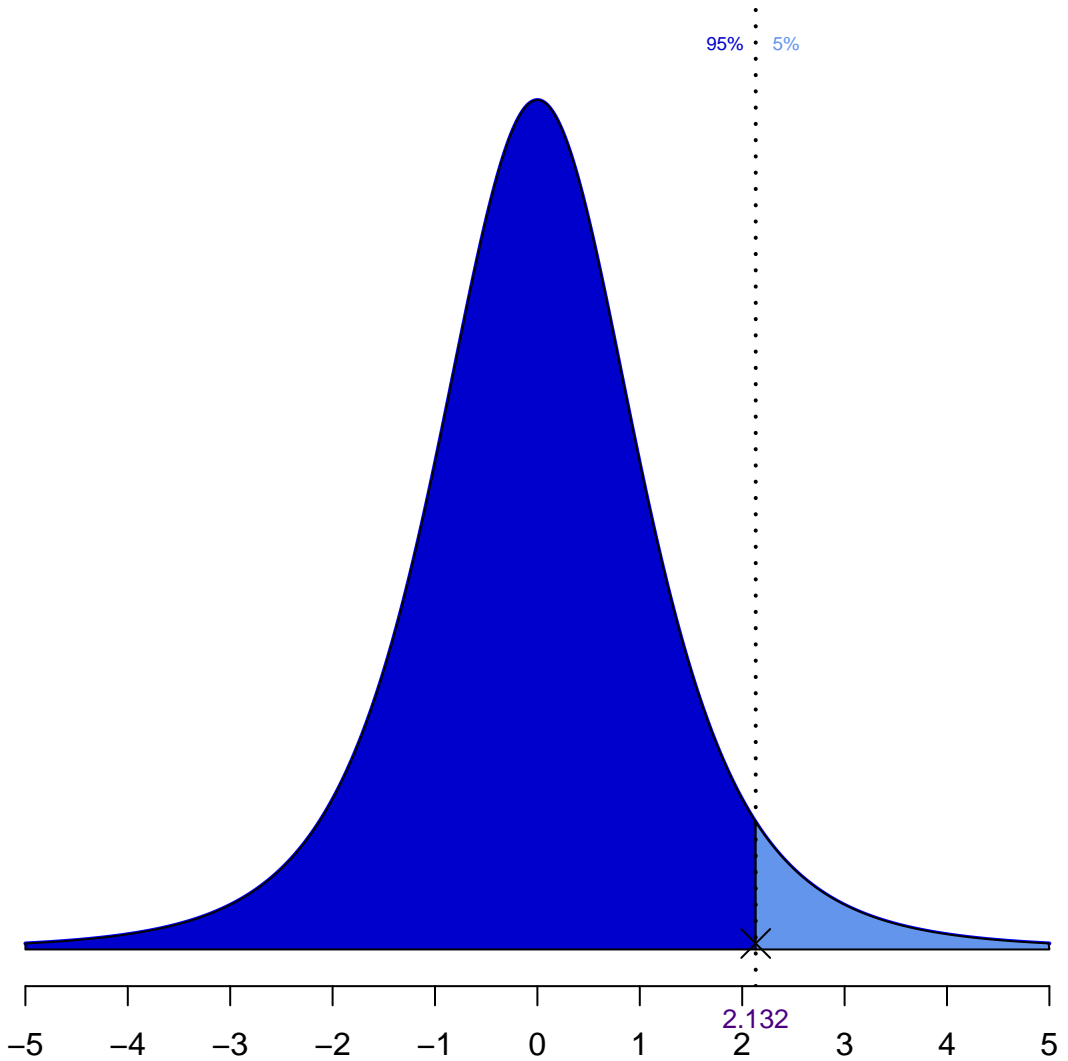
$$P(-1.74 < X < 1.83) = 92.5\%$$



Mean: 0 Standard Deviation: 1

t distribution

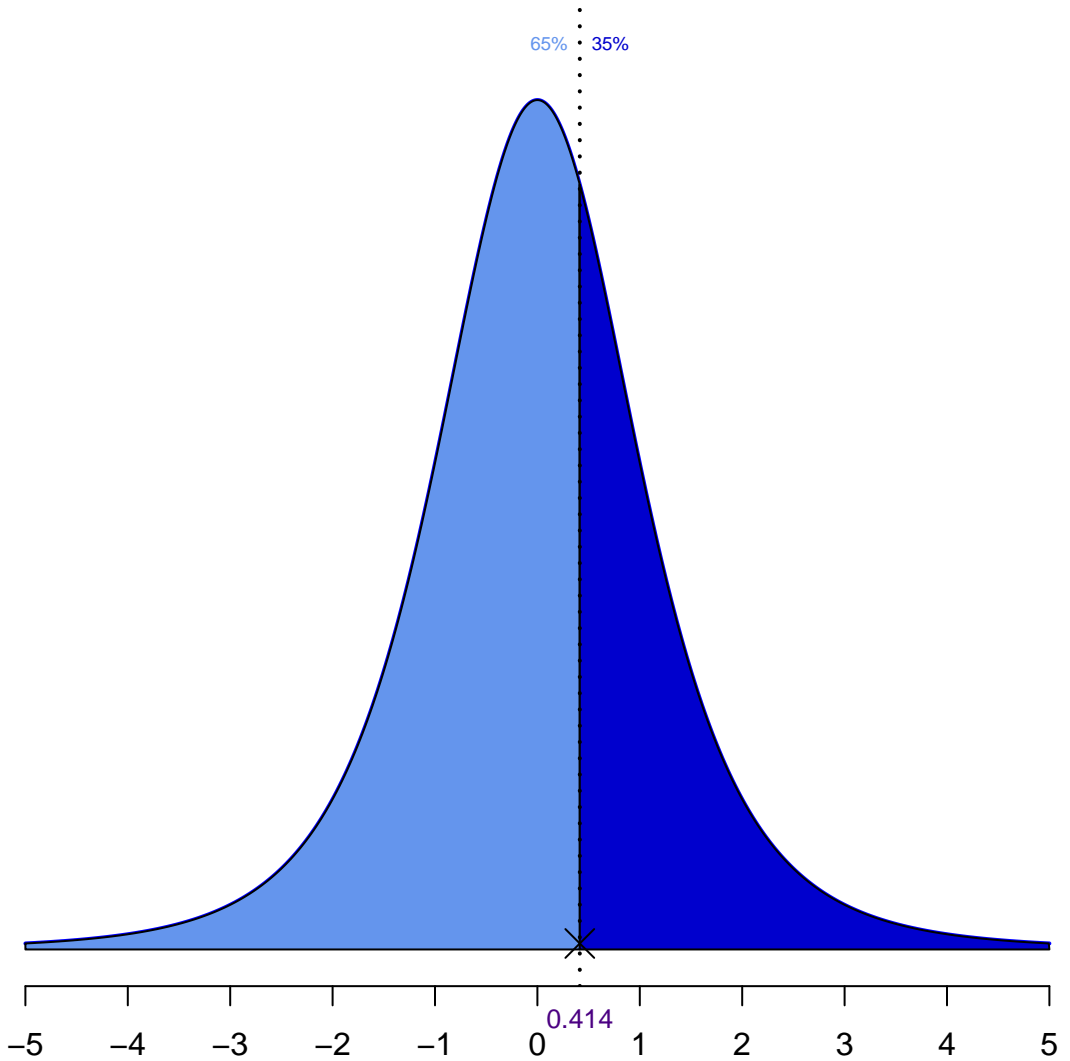
$$P(X < 2.132) = 95\%$$



df = 4

t distribution

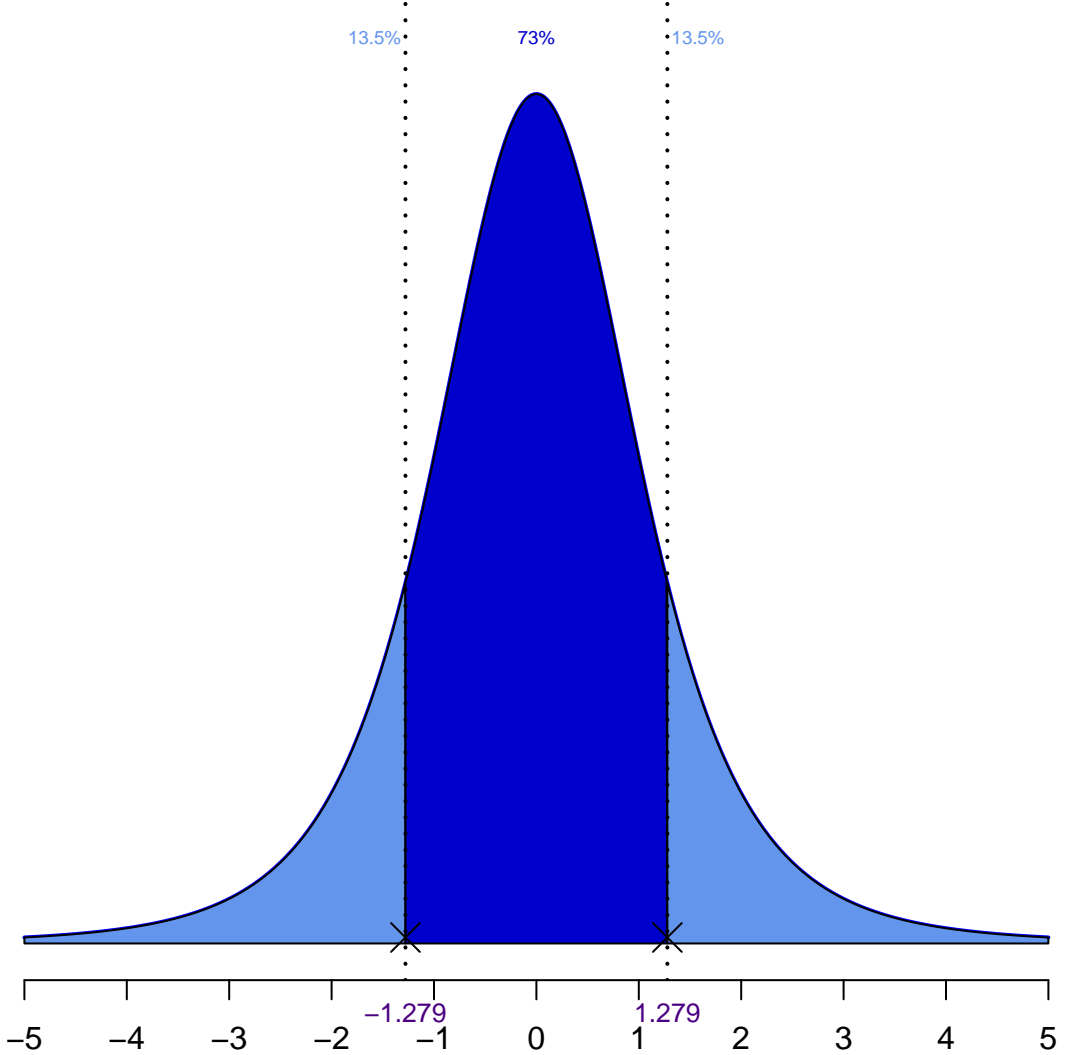
$$P(X > 0.414) = 35\%$$



df = 4

t distribution

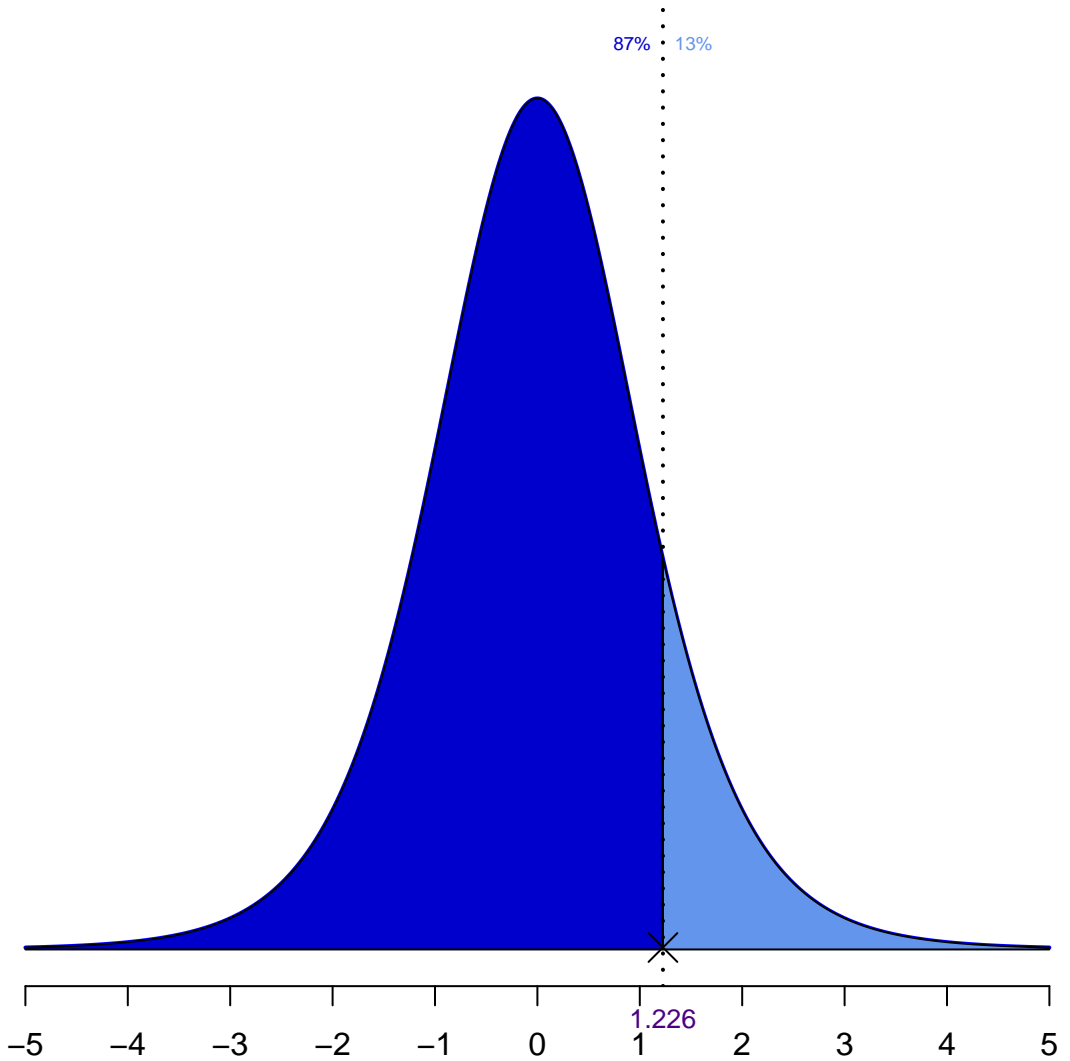
$$P(-1.279 < X < 1.279) = 73\%$$



df = 4

t distribution

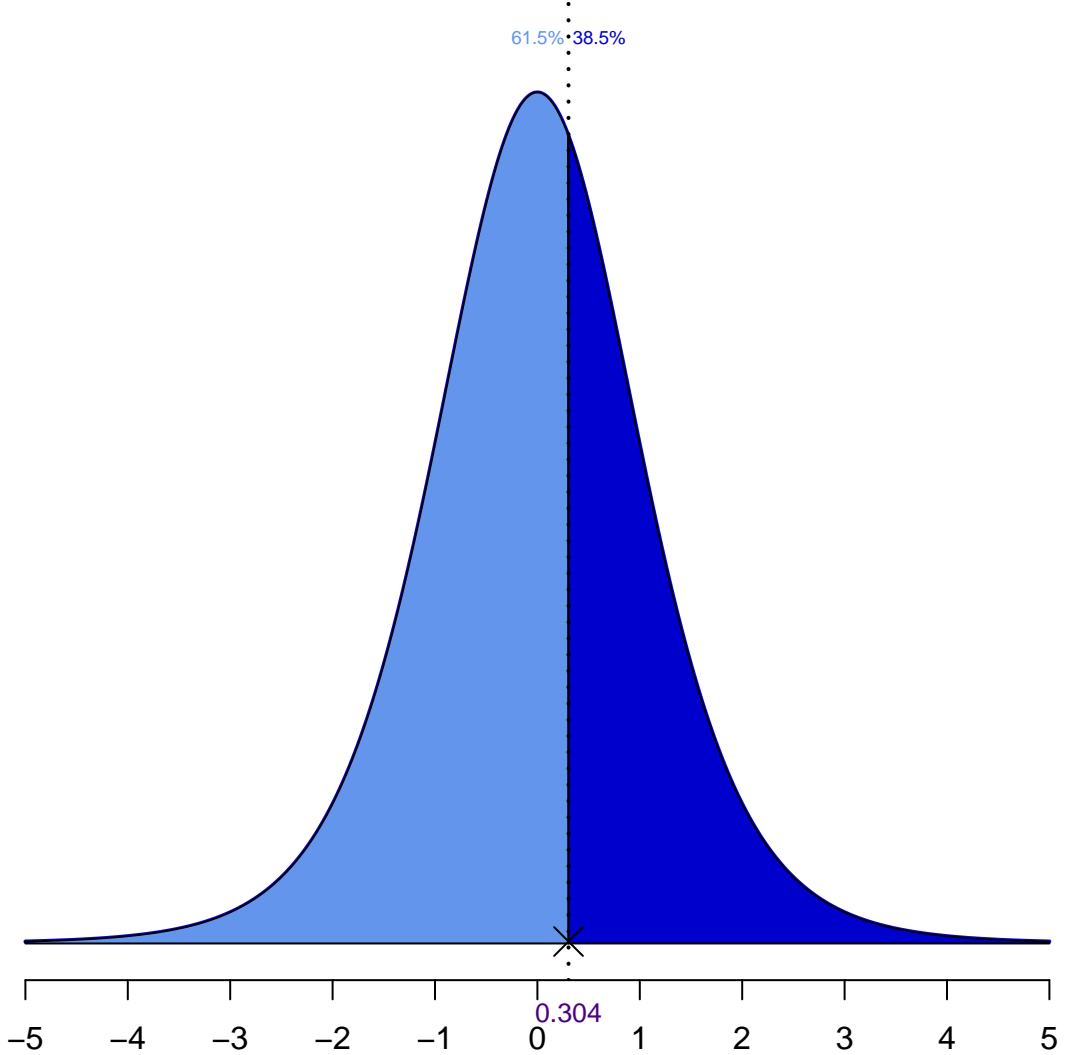
$$P(X < 1.226) = 87\%$$



df = 7

t distribution

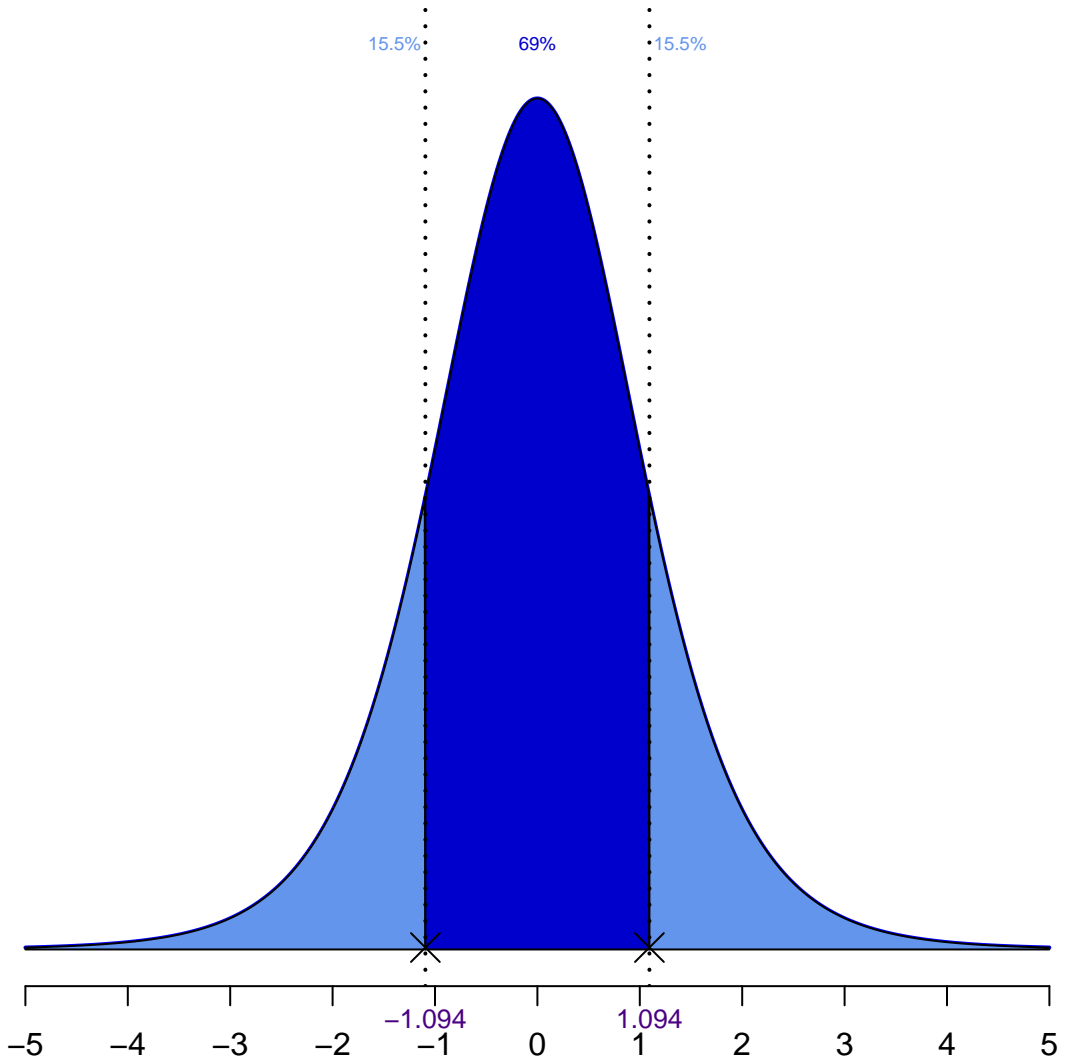
$$P(X > 0.304) = 38.5\%$$



df = 7

t distribution

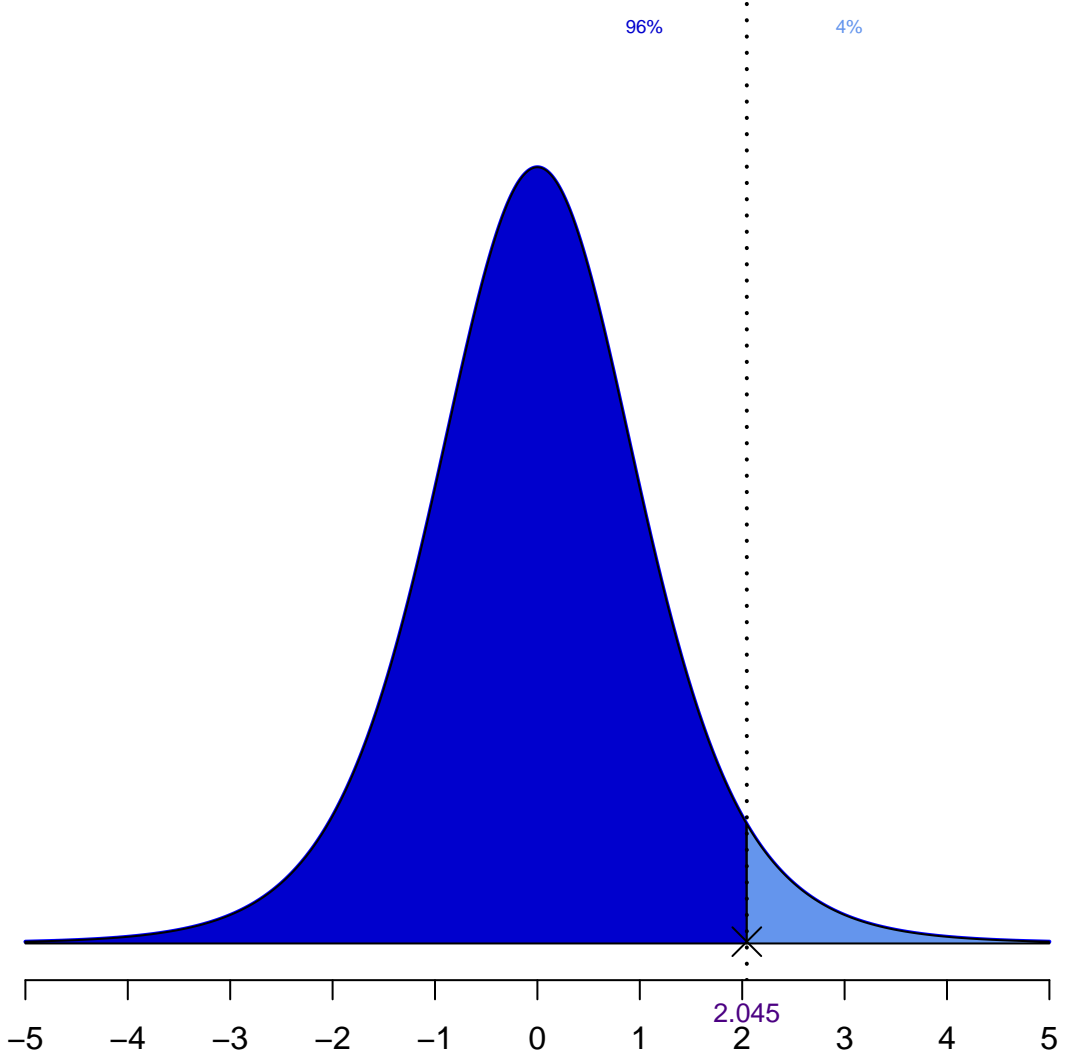
$$P(-1.094 < X < 1.094) = 69\%$$



df = 7

t distribution

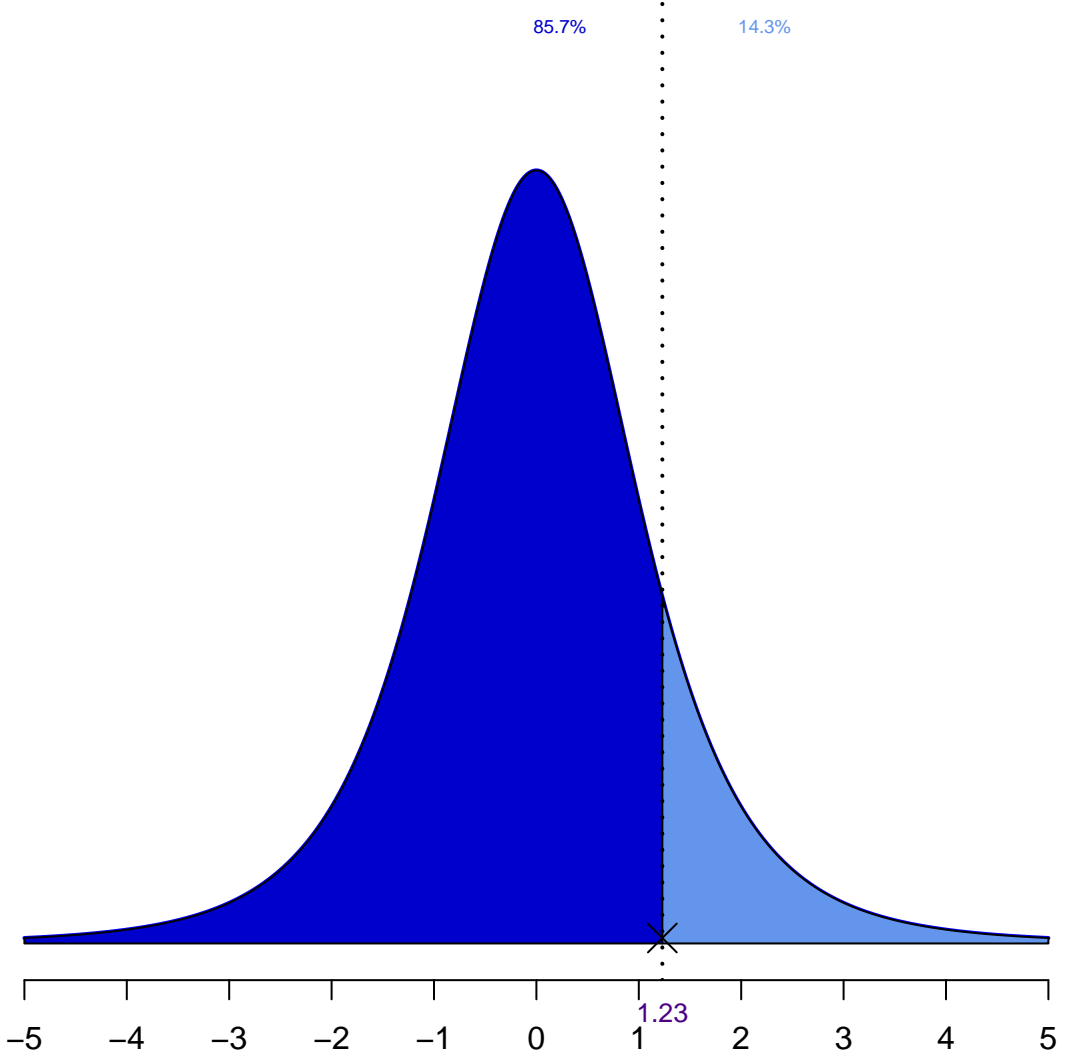
$$P(X < 2.045) = 96\%$$



df = 7

t distribution

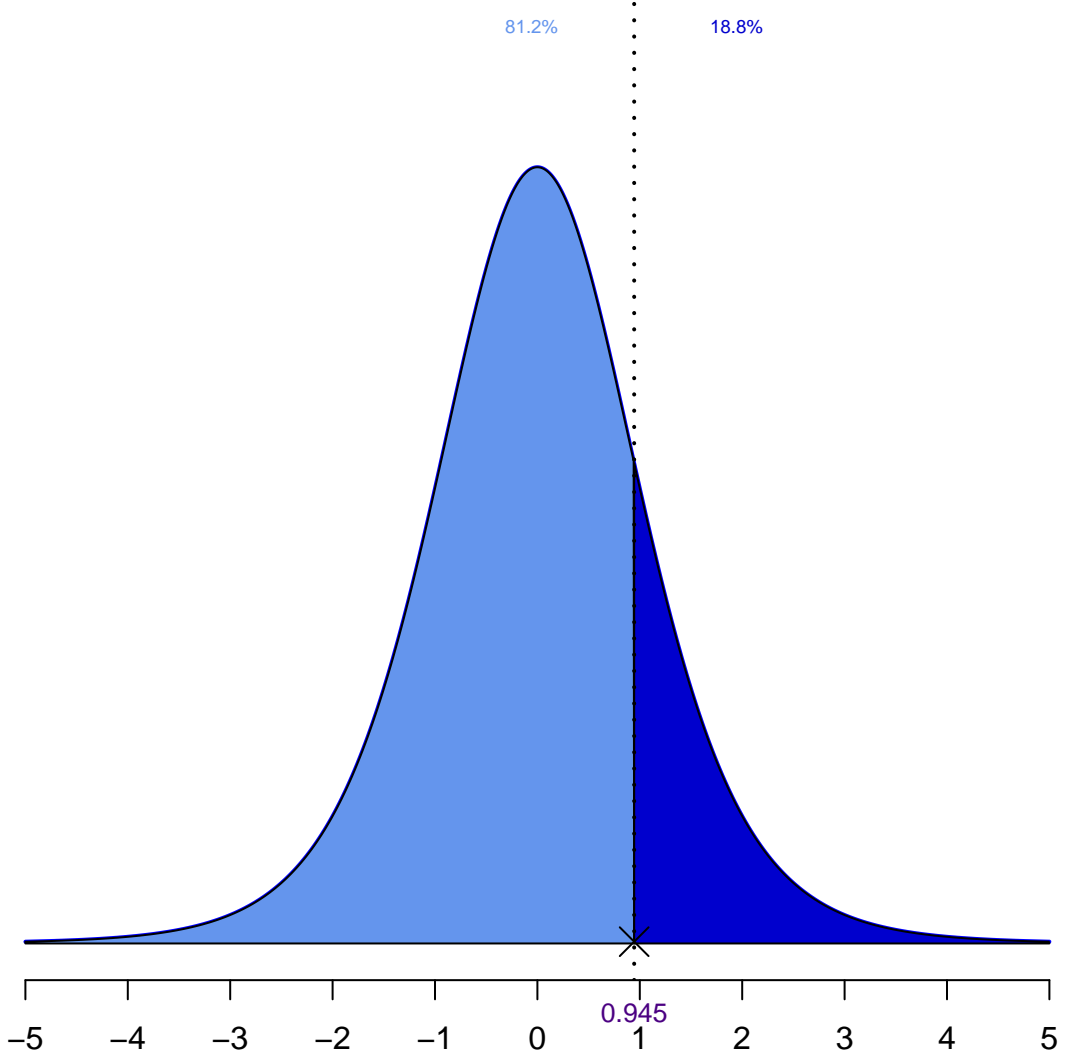
$$P(X < 1.23) = 85.7\%$$



df = 4

t distribution

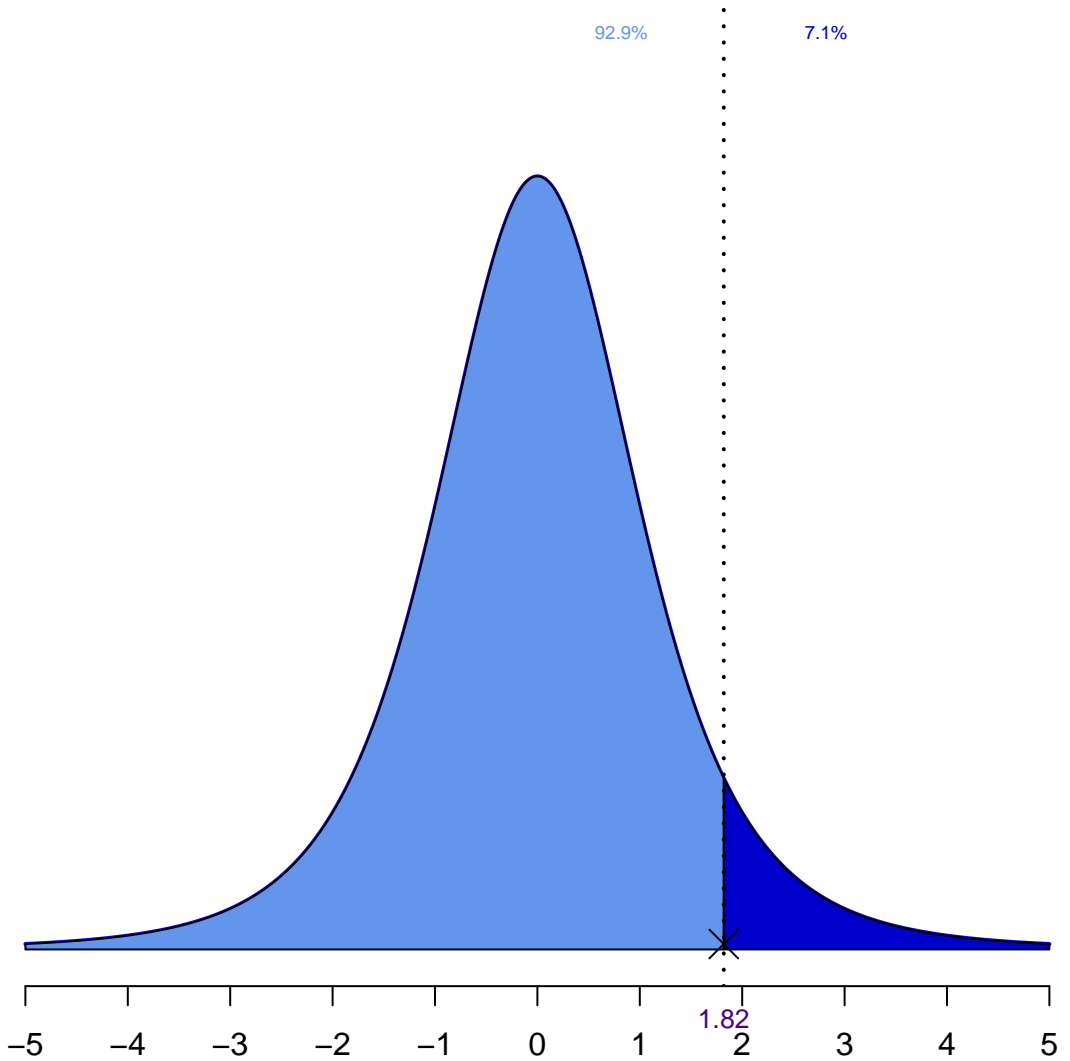
$$P(X > 0.945) = 18.8\%$$



df = 7

t distribution

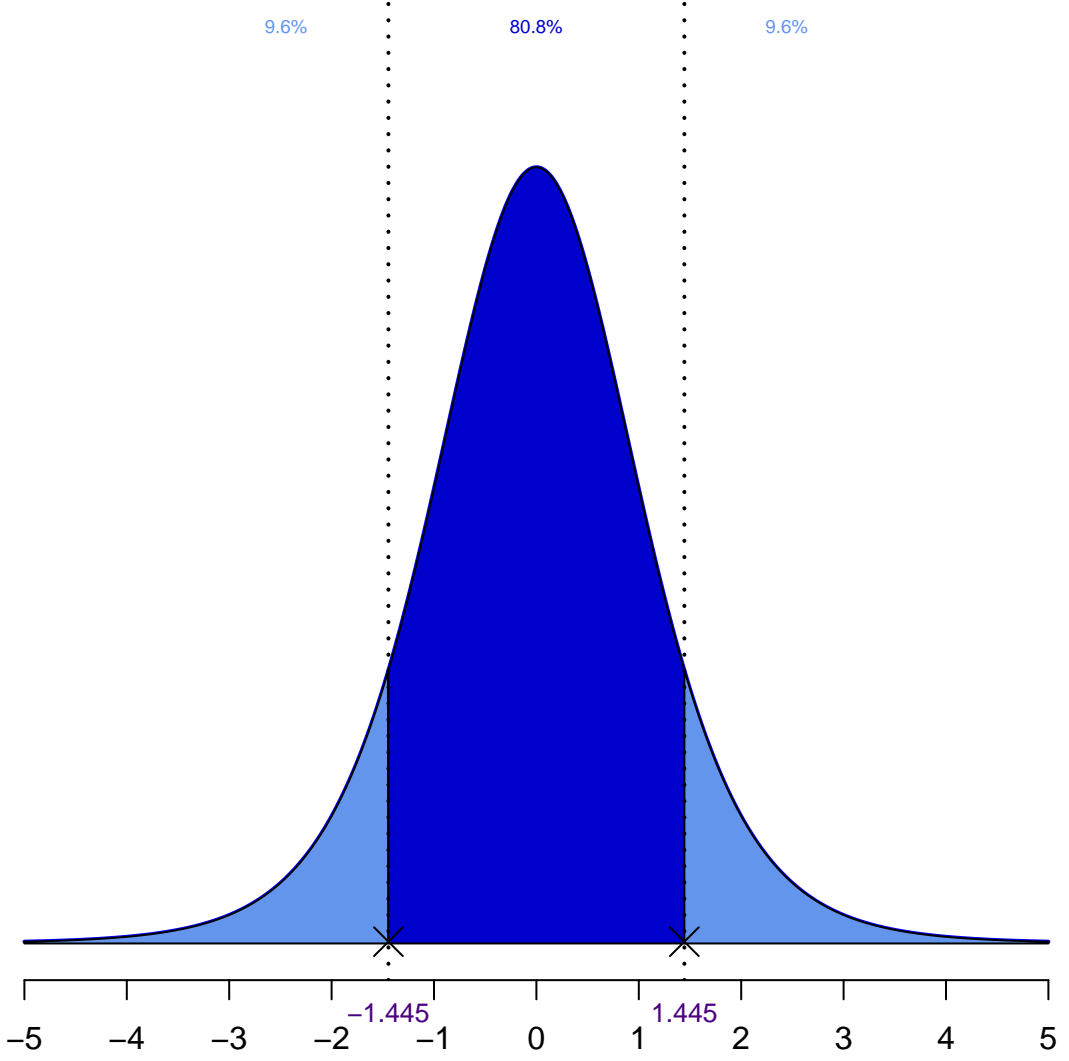
$$P(X > 1.82) = 7.1\%$$



df = 4

t distribution

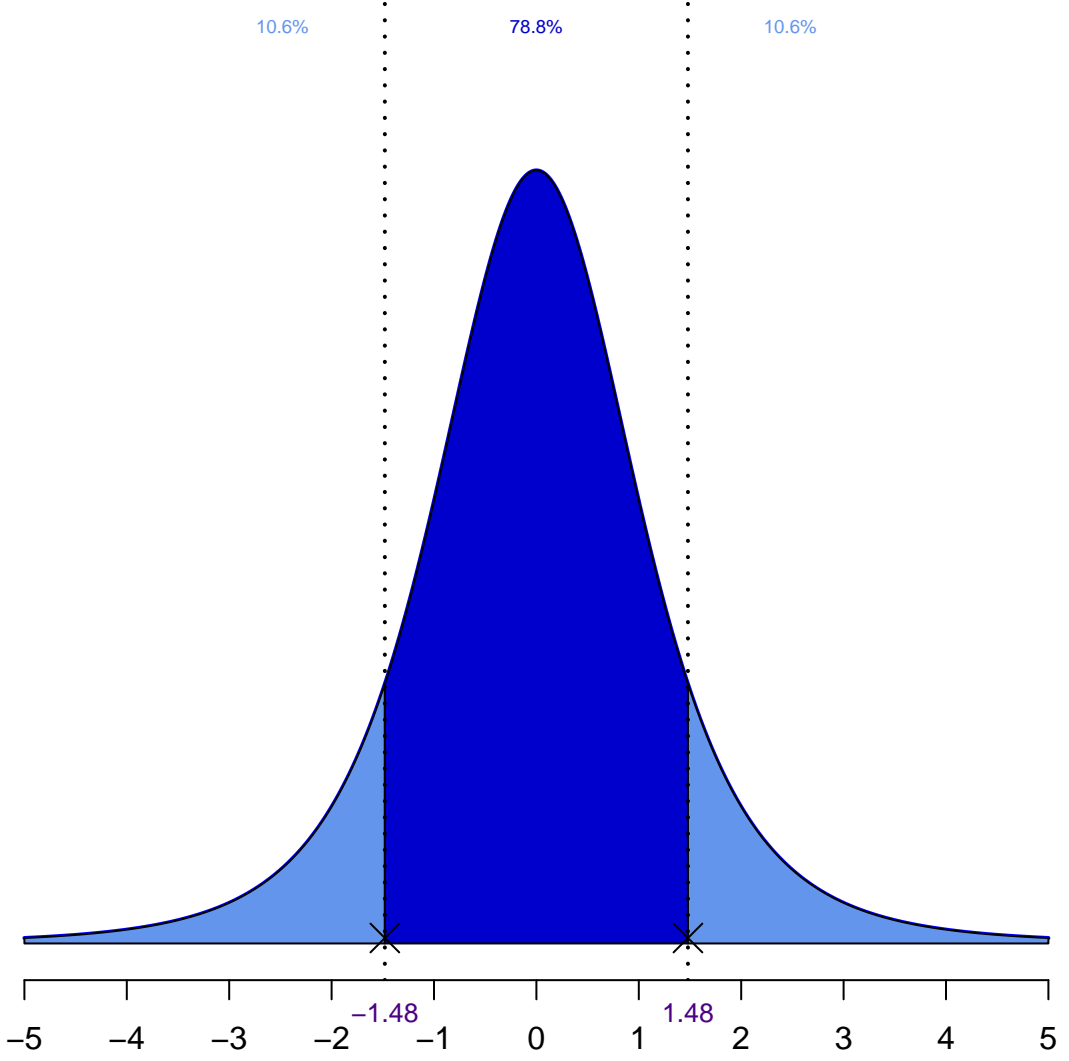
$$P(-1.445 < X < 1.445) = 80.8\%$$



df = 7

t distribution

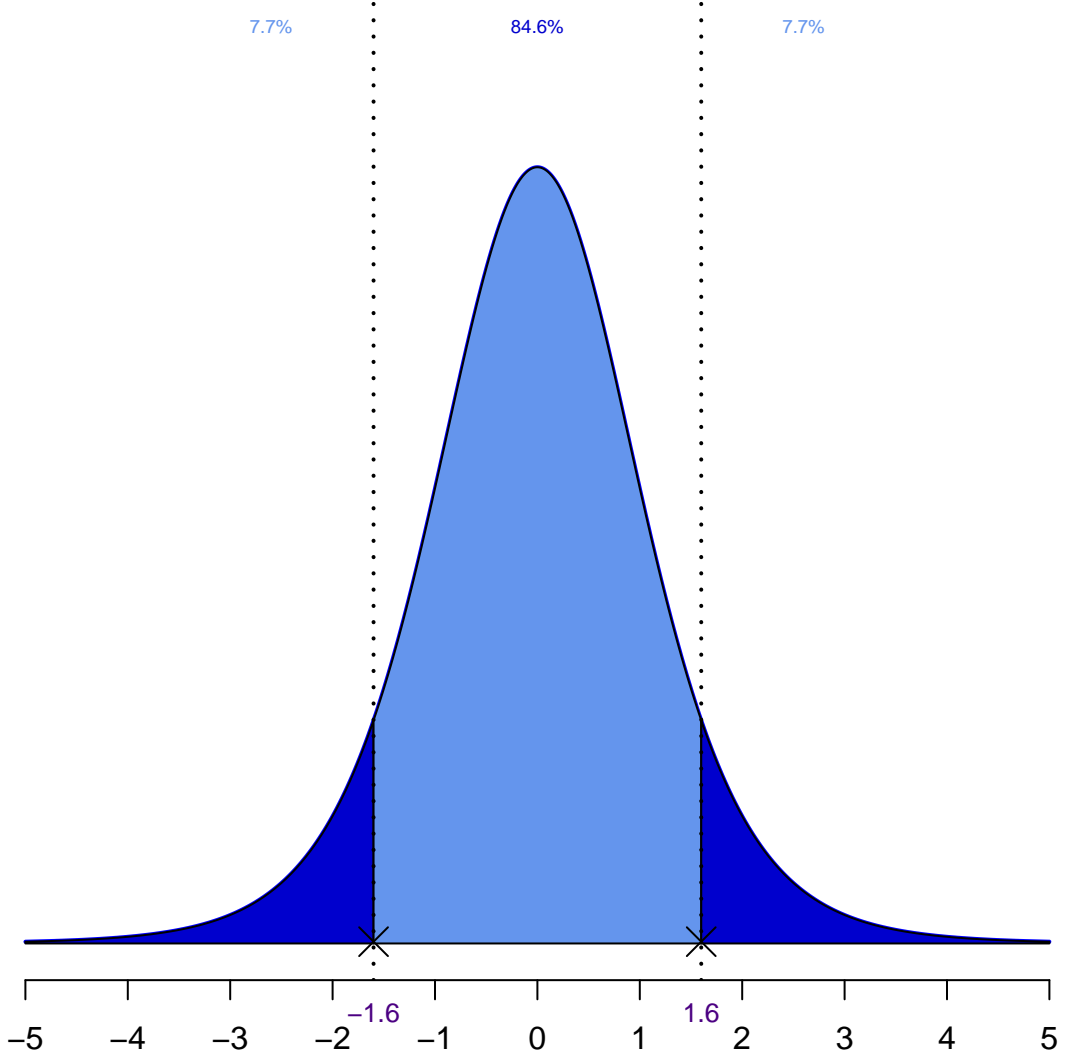
$$P(-1.48 < X < 1.48) = 78.8\%$$



df = 4

t distribution

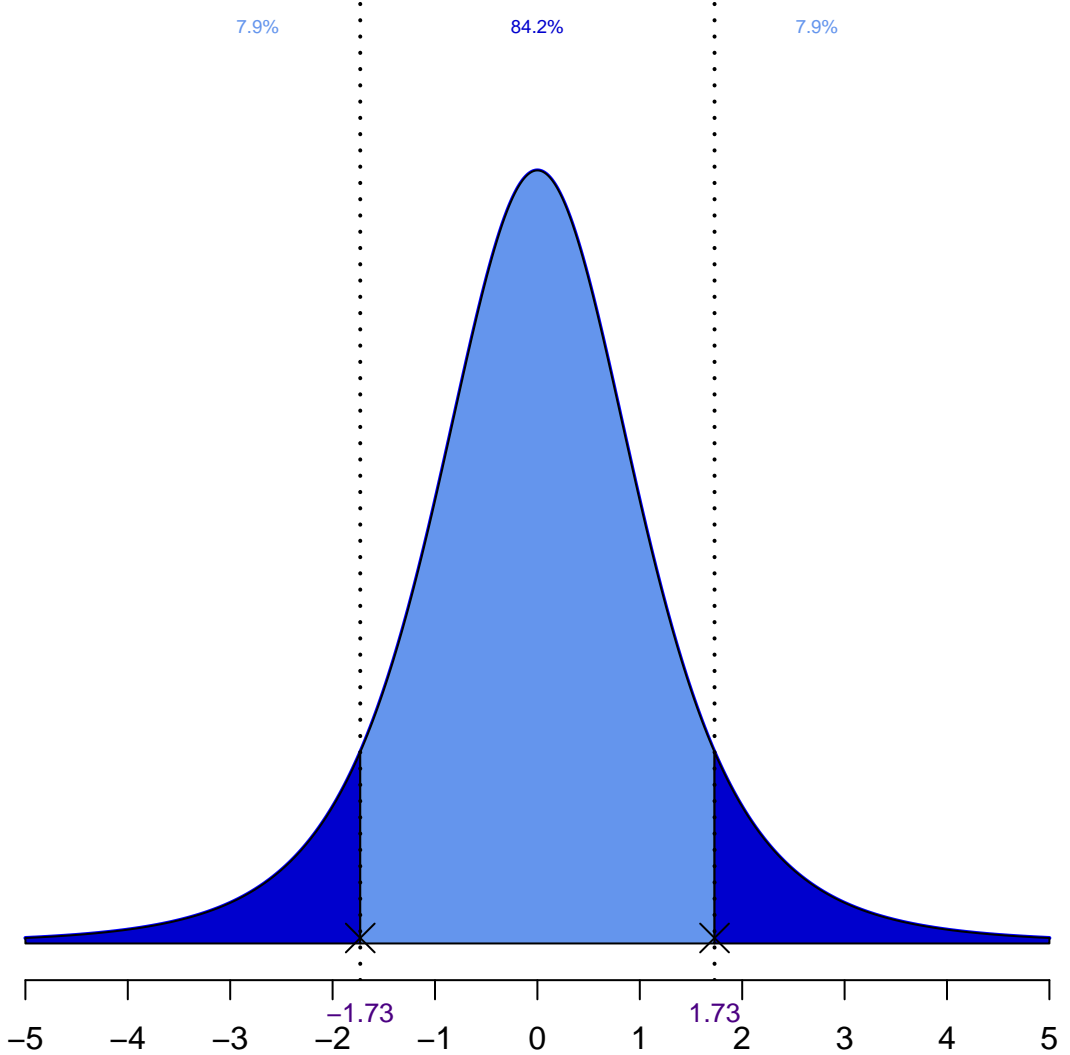
$$P(|X| > 1.6) = 15.4\%$$



df = 7

t distribution

$$P(|X| > 1.73) = 15.8\%$$



df = 4