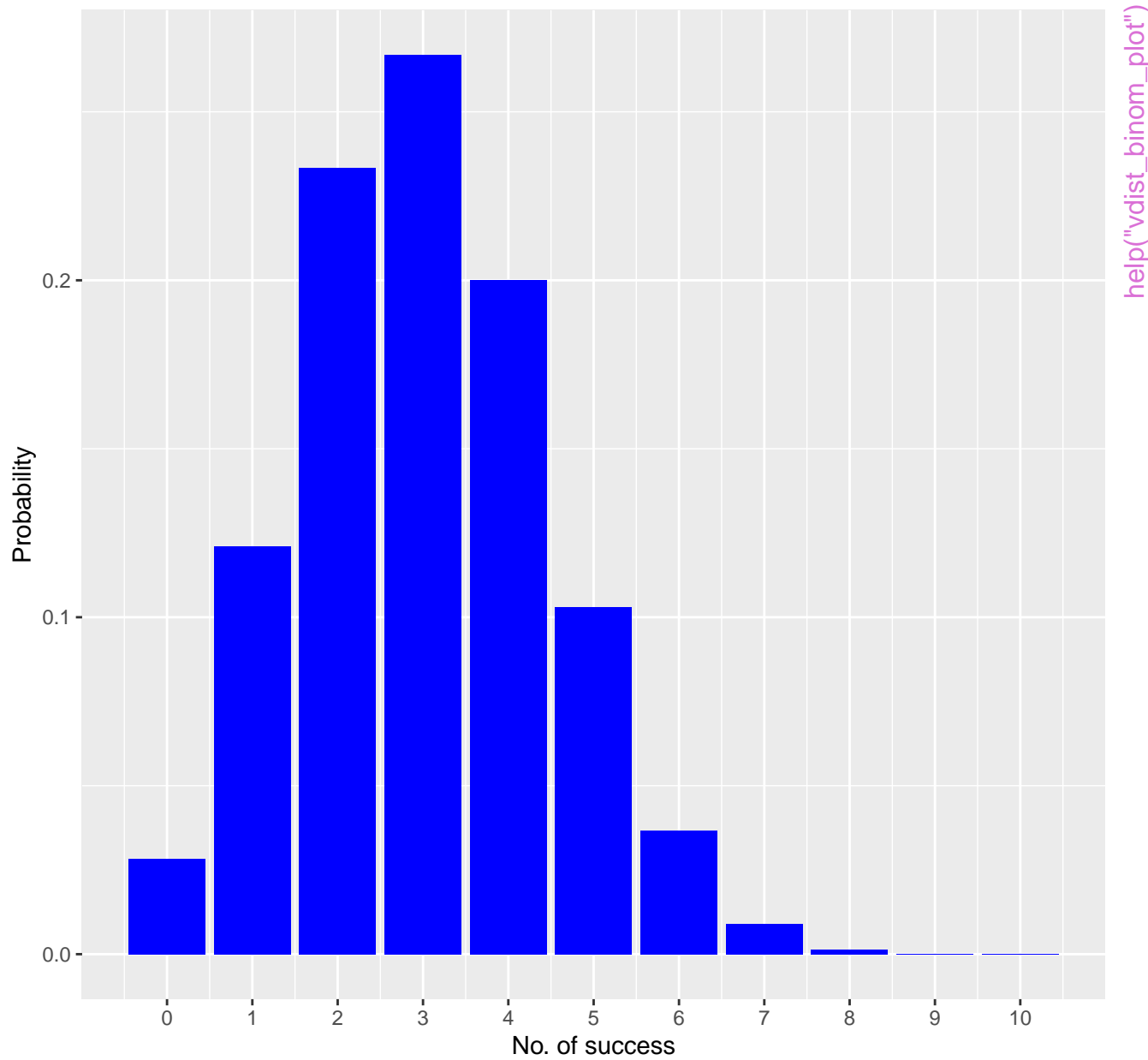
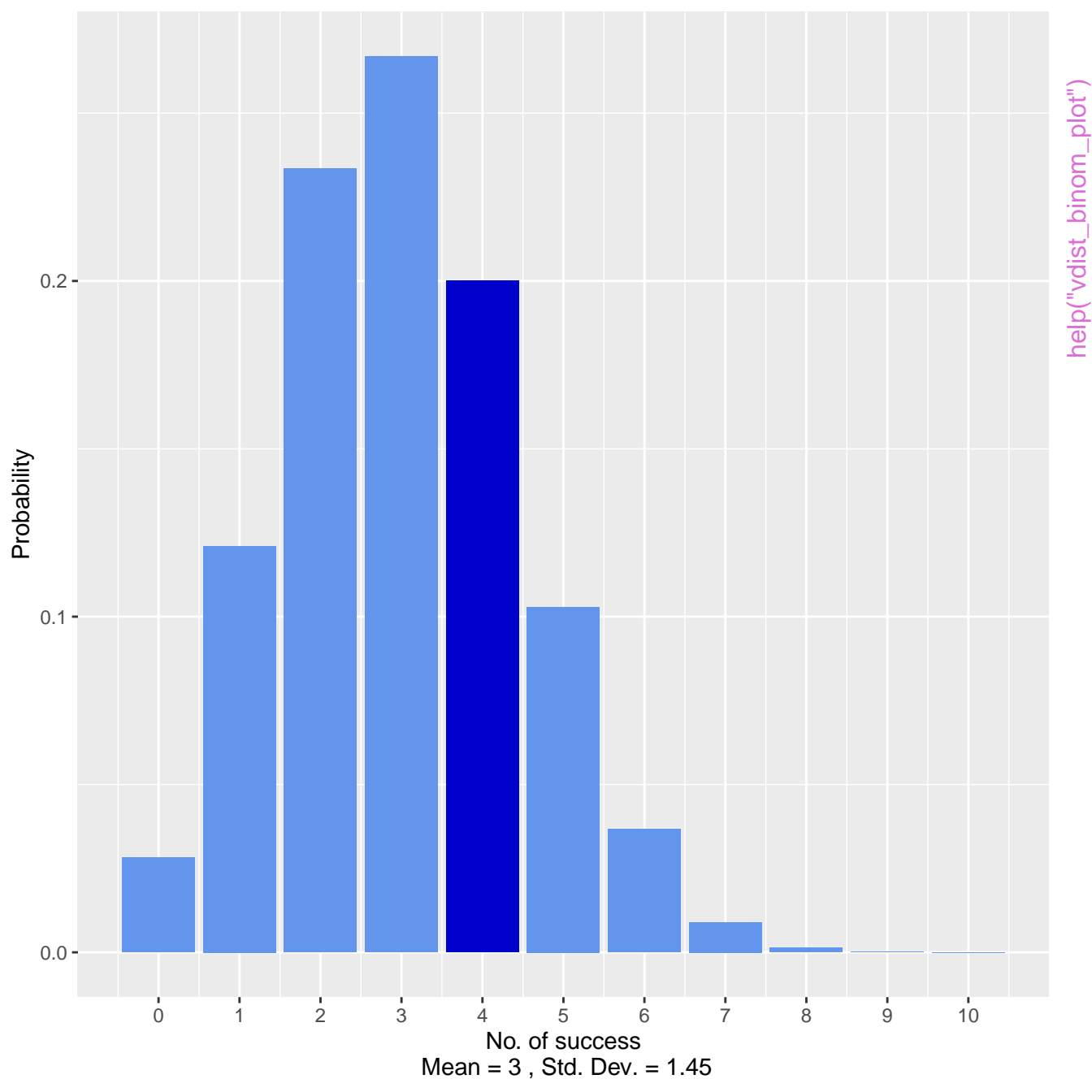
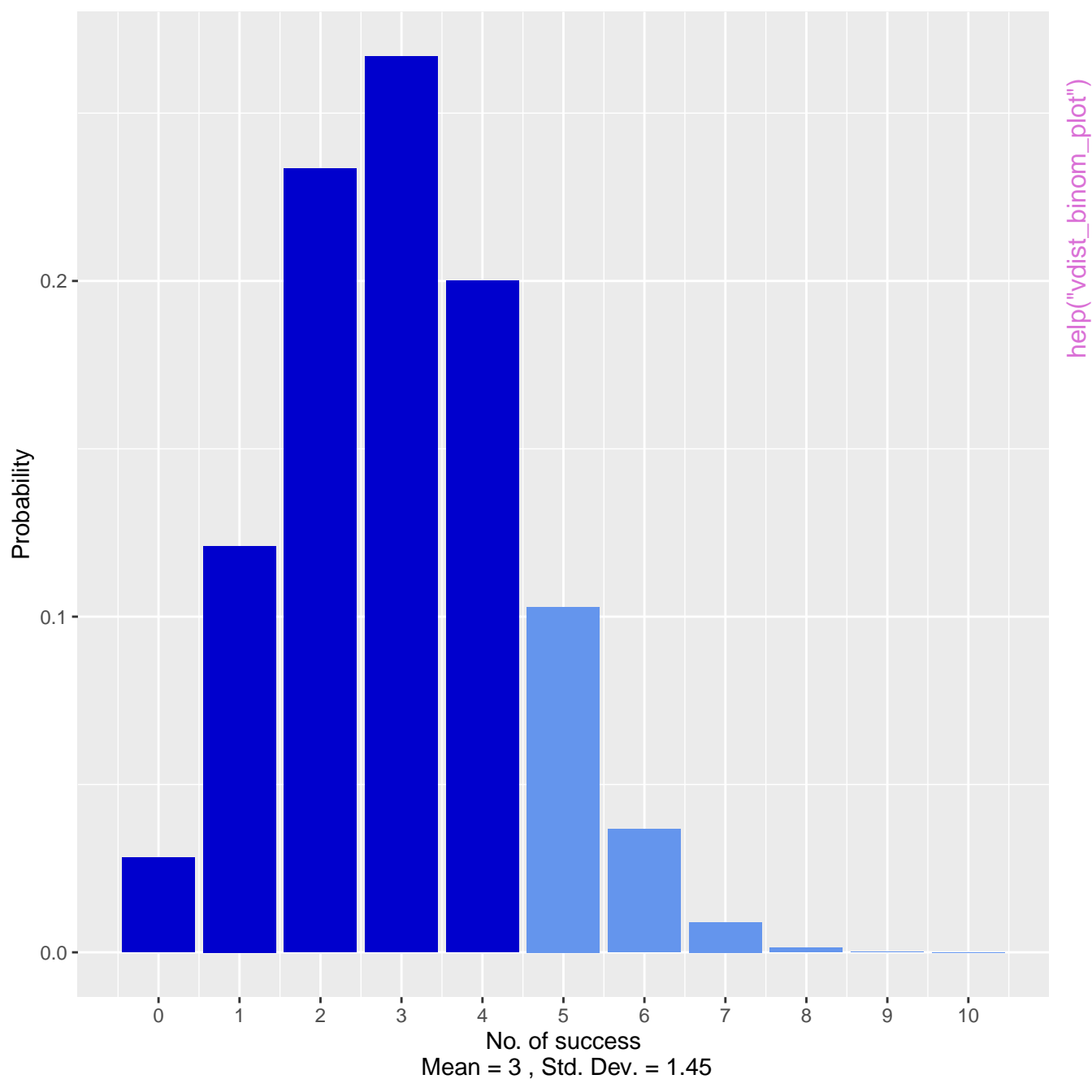


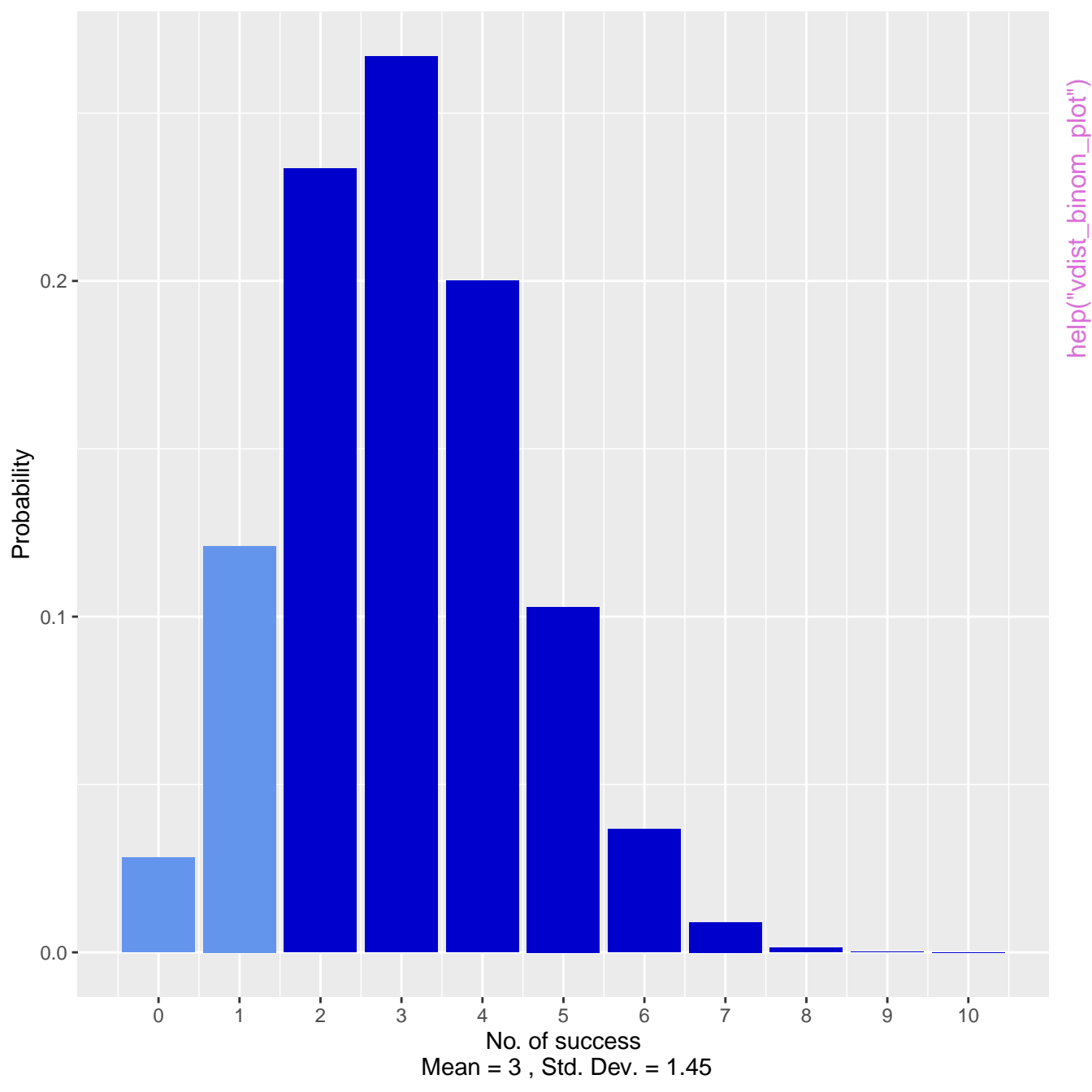
Binomial Distribution: $n = 10$, $p = 0.3$

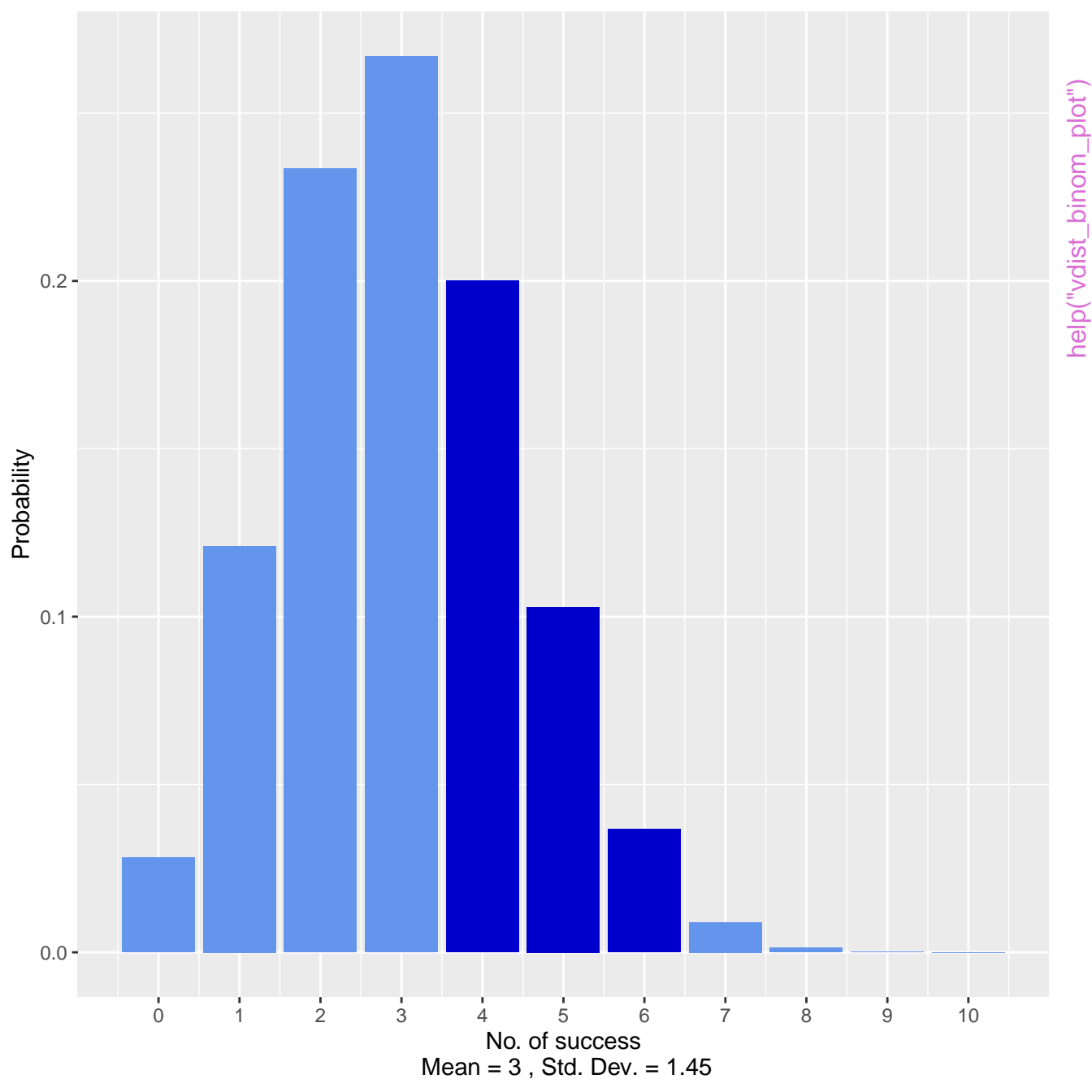
Mean = 3 , Std. Dev. = 1.45

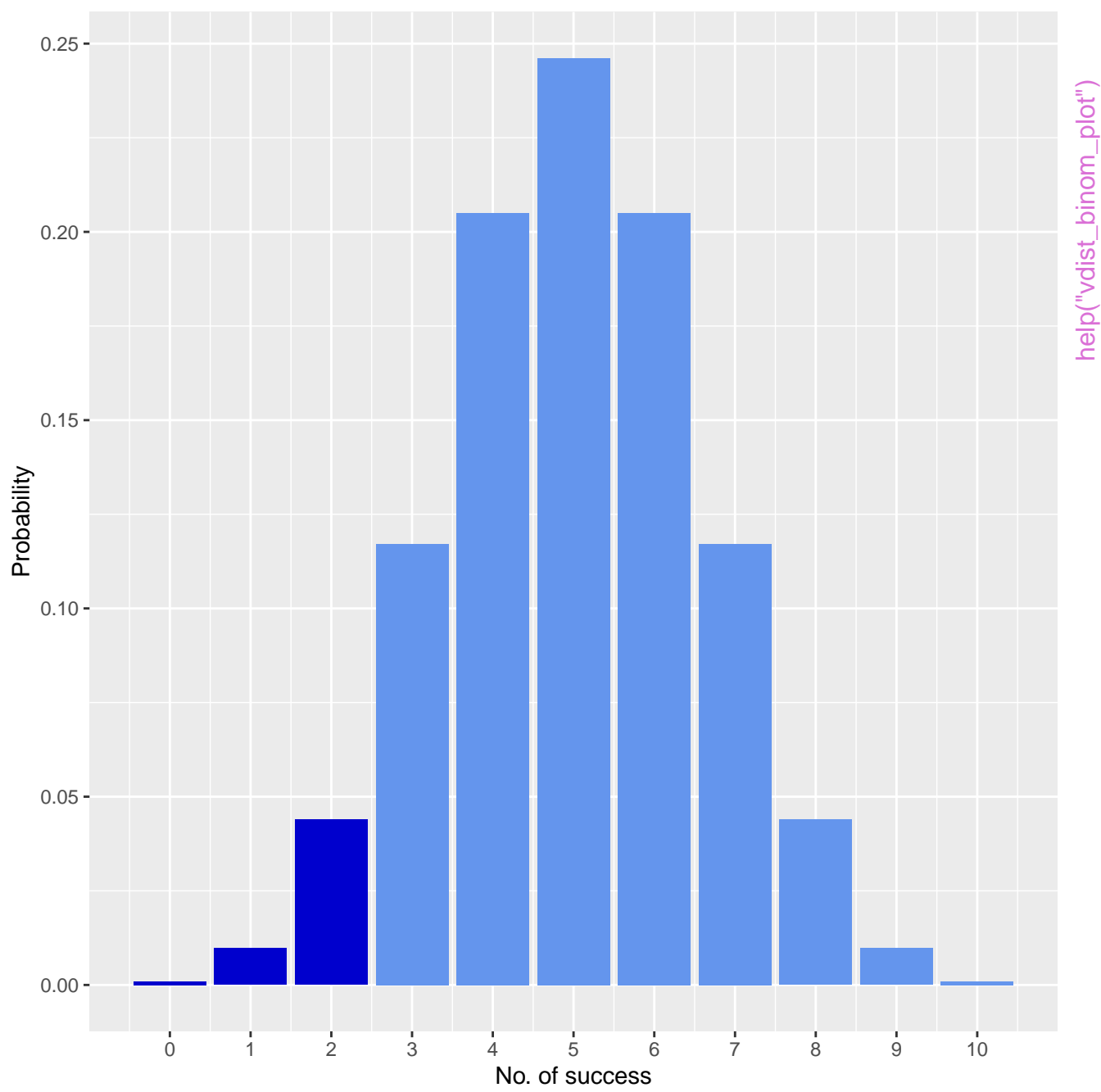


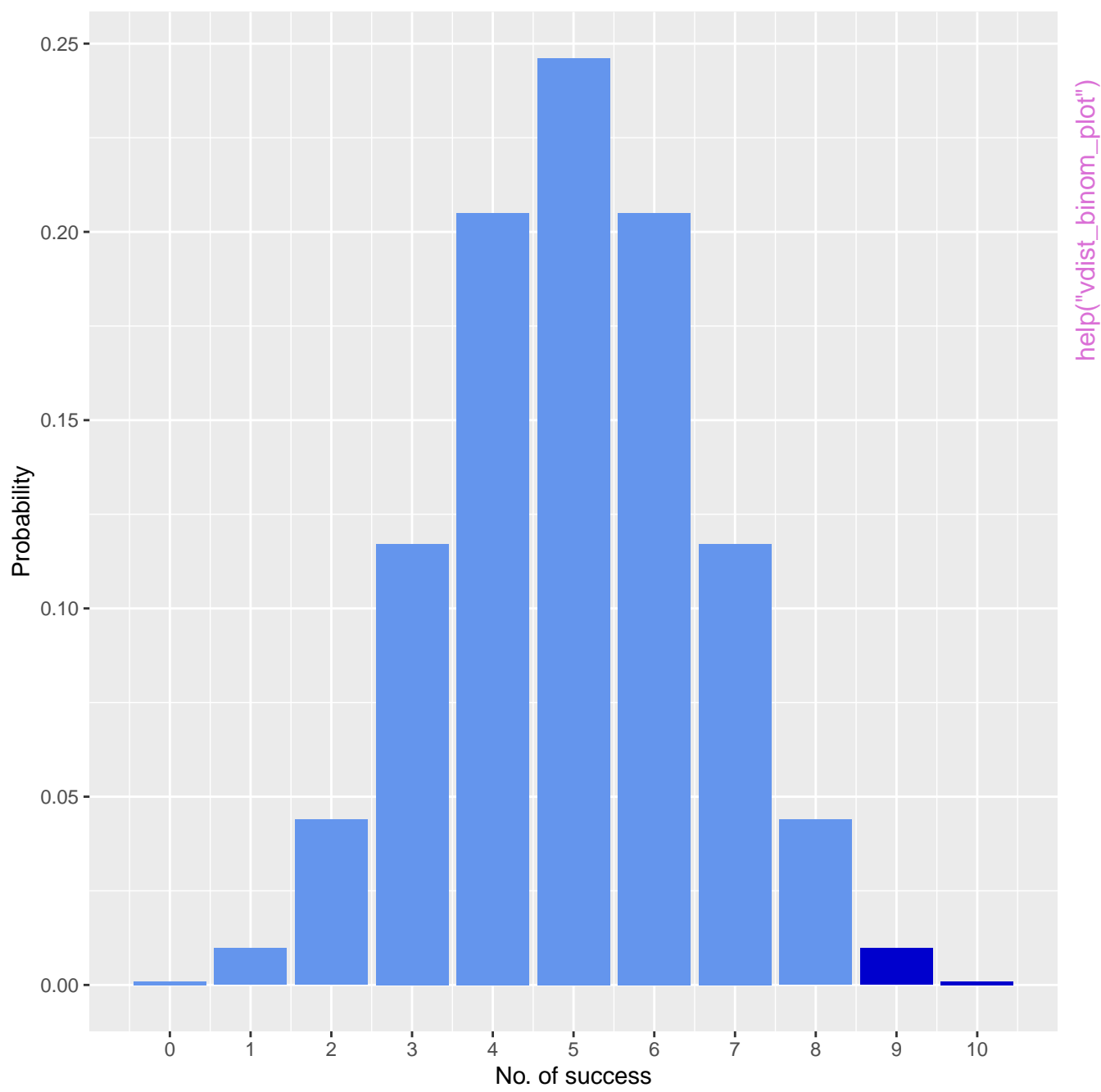






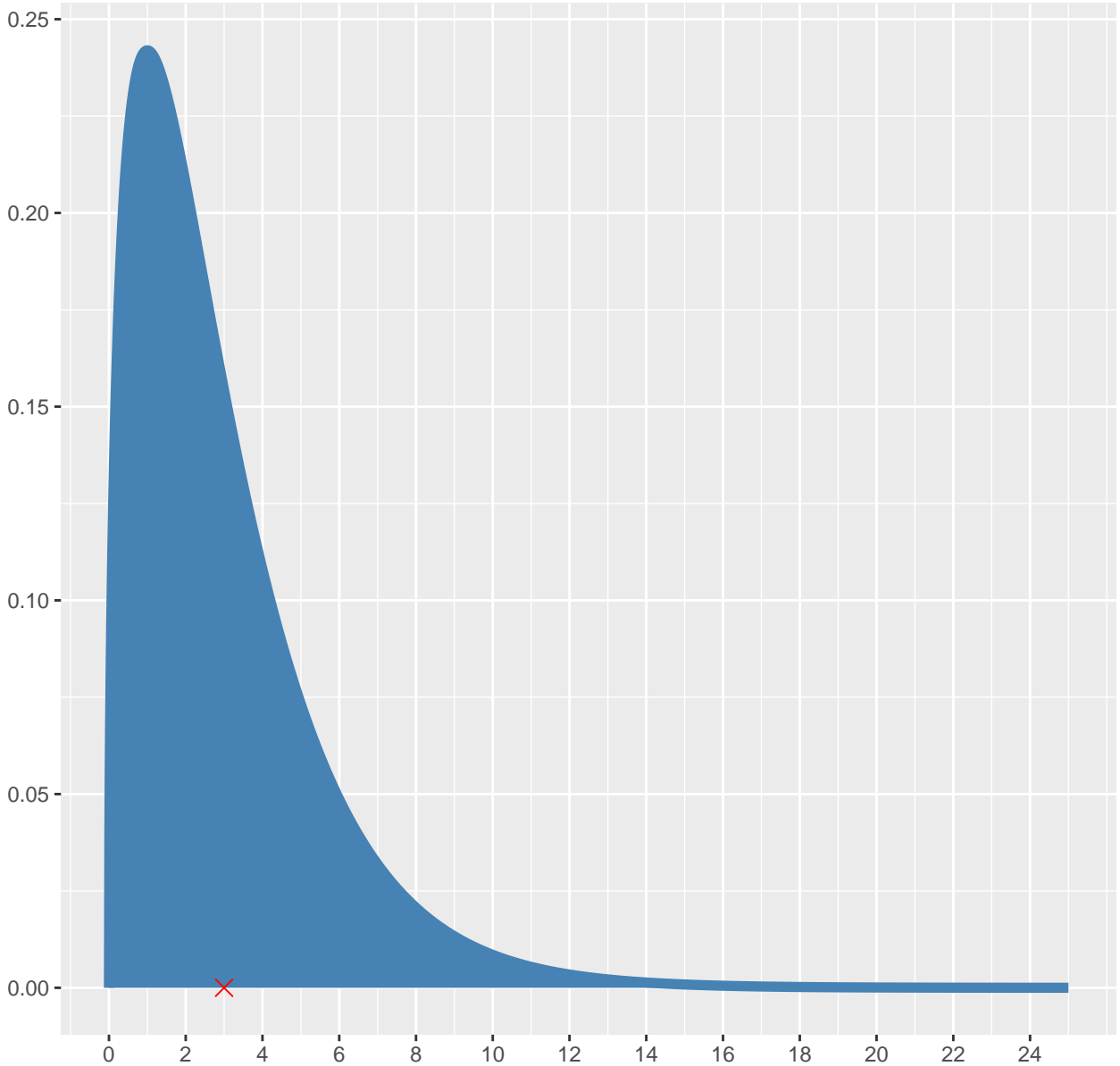






Chi Square Distribution

df = 3

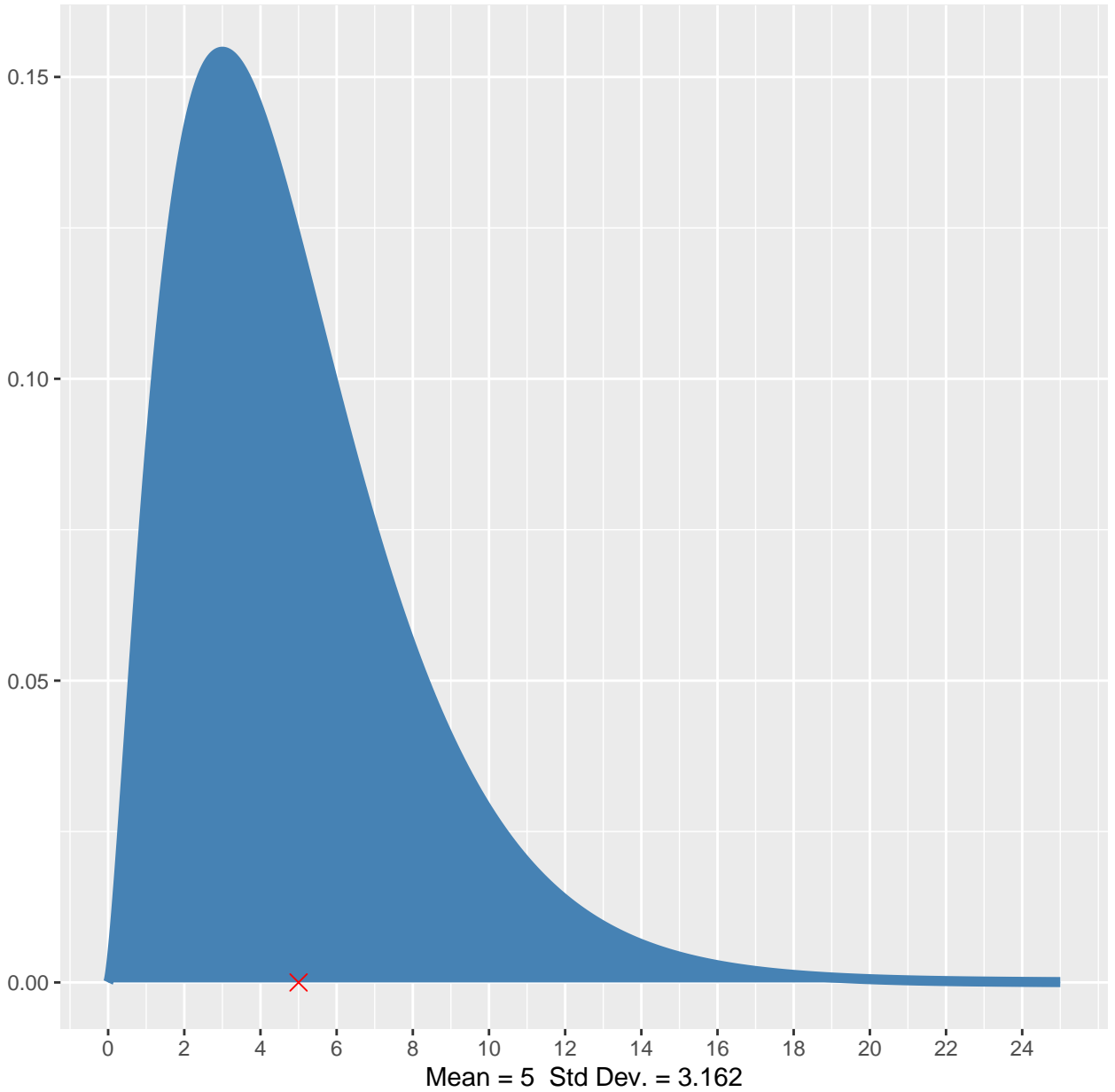


Mean = 3 Std Dev. = 2.449

help("vdist_chisquare_plot")

Chi Square Distribution

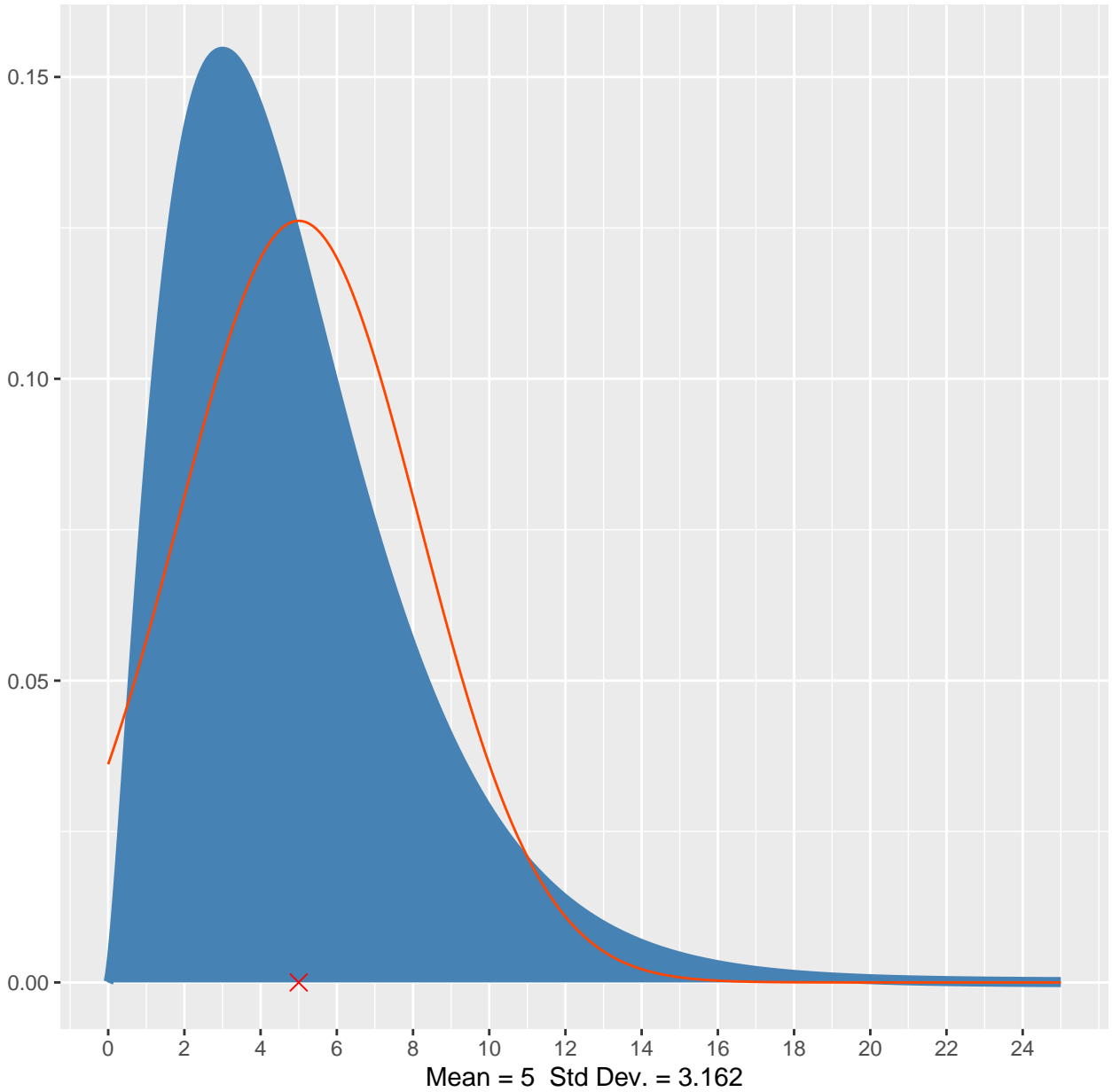
df = 5



help("vdist_chisquare_plot")

Chi Square Distribution

df = 5



help("vdlist_chisquare_plot")

Chi Square Distribution: df = 8

$$P(X < 4.238) = 16.5\%$$

16.5%

83.5%

0

5

10

15

20

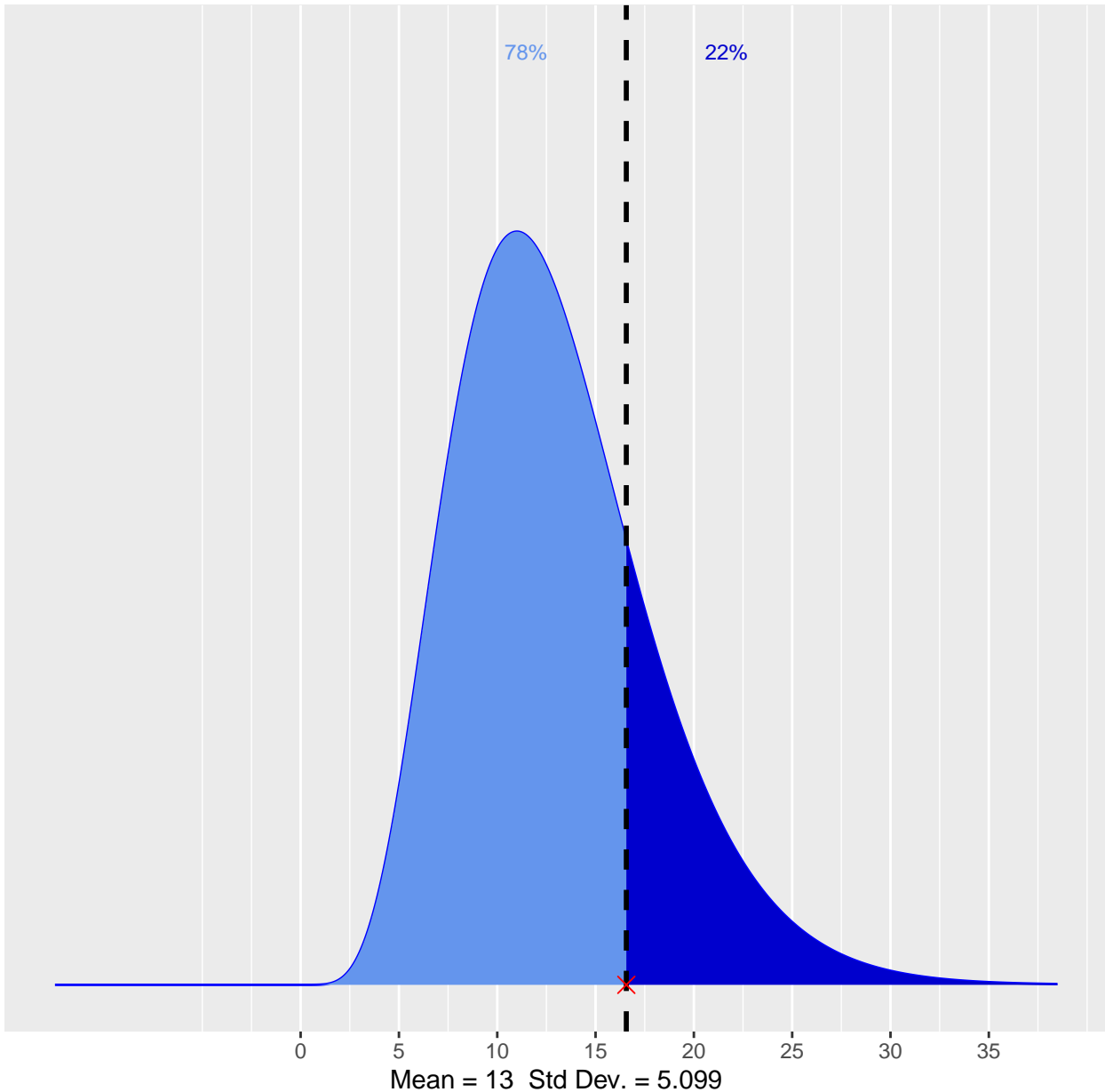
25

Mean = 8 Std Dev. = 4

help("vdist_chisquare_plot")

Chi Square Distribution: df = 13

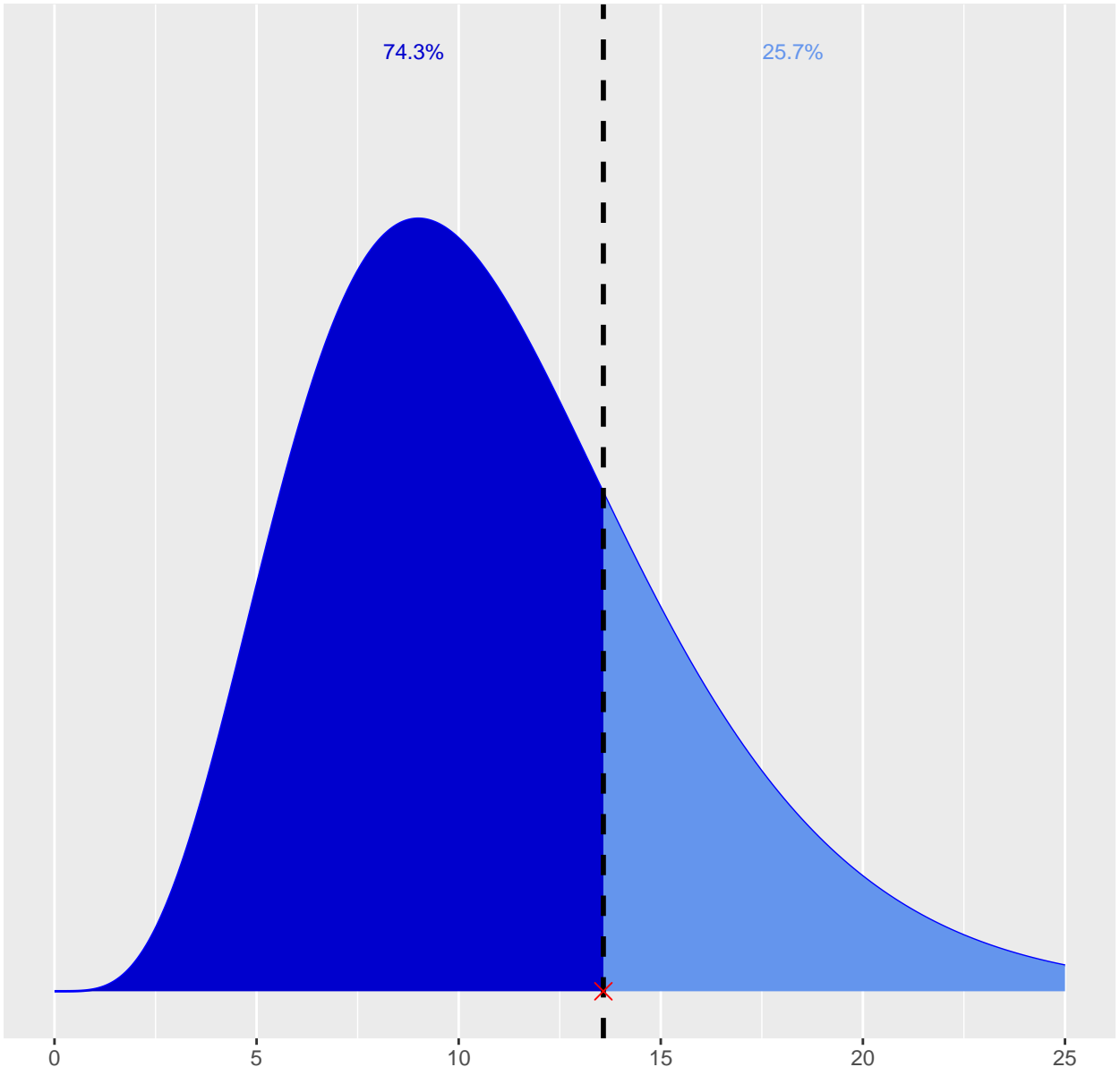
$$P(X > 16.564) = 22\%$$



help("vdist_chisquare_plot")

Chi Square Distribution: df = 11

$$P(X < 13.58) = 74.3\%$$

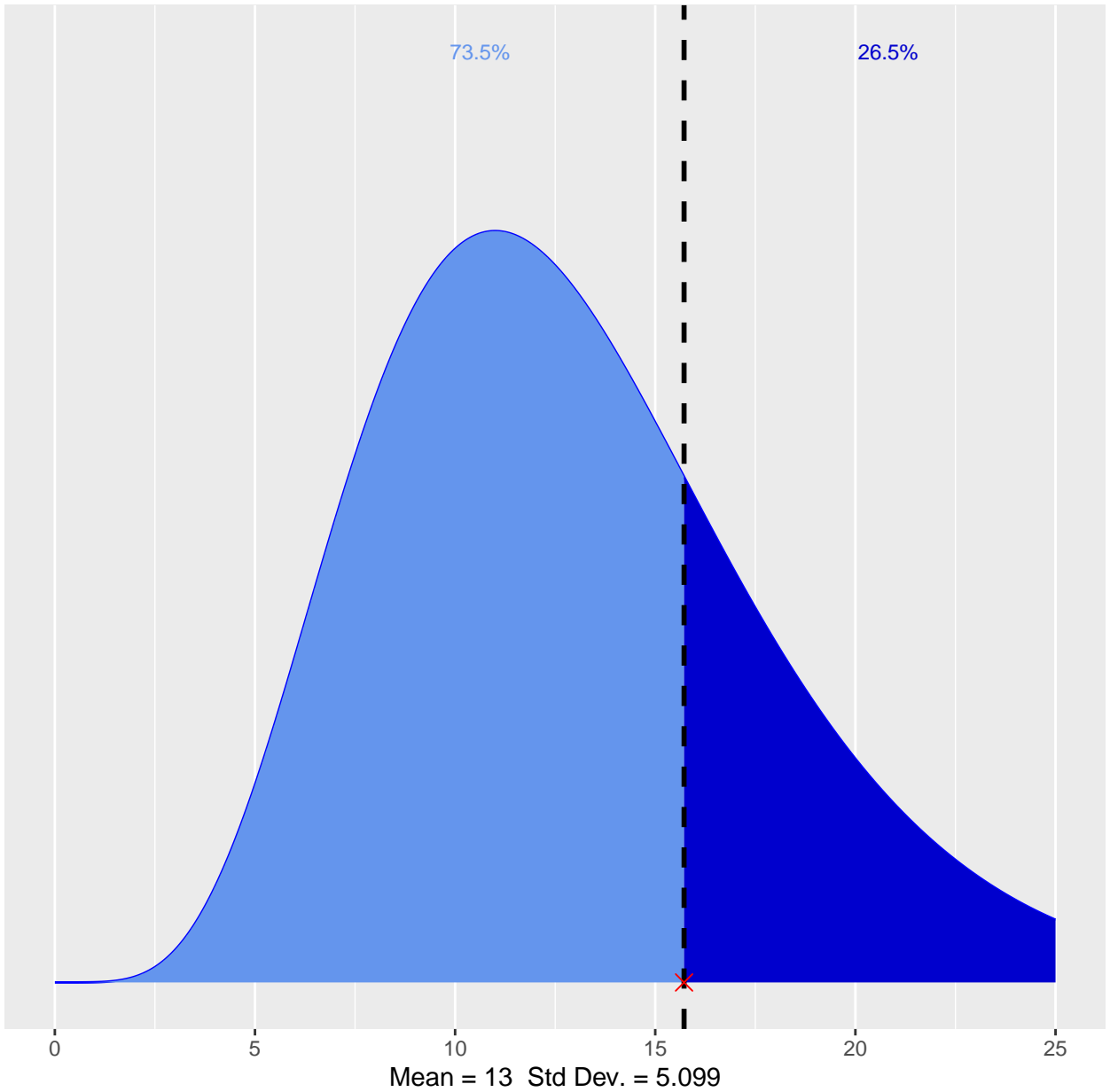


Mean = 11 Std Dev. = 4.69

help("vdlist_chisquare_plot")

Chi Square Distribution: df = 13

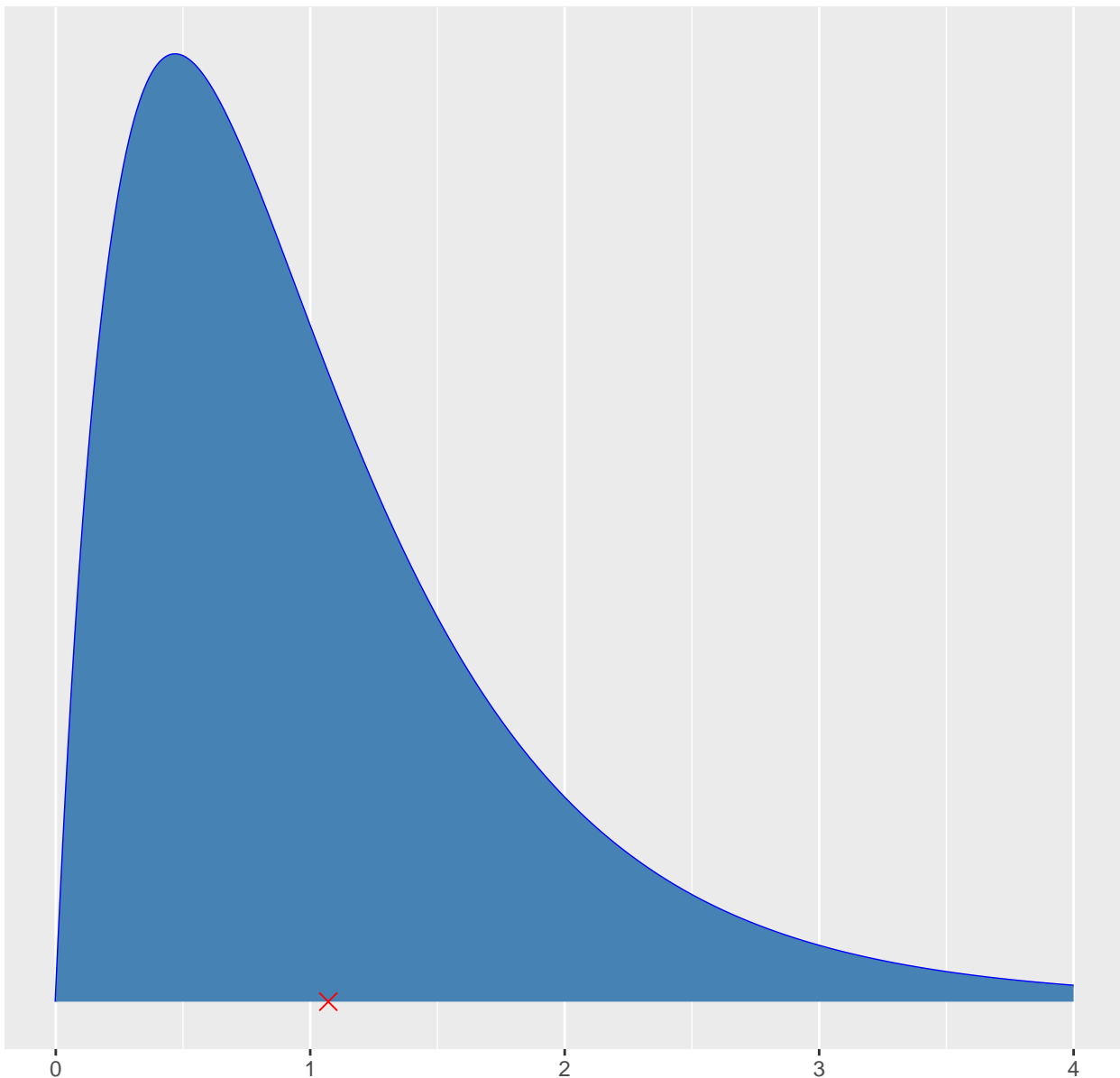
$$P(X > 15.72) = 26.5\%$$



help("vdist_chisquare_plot")

f Distribution

Num df = 4 Den df = 30

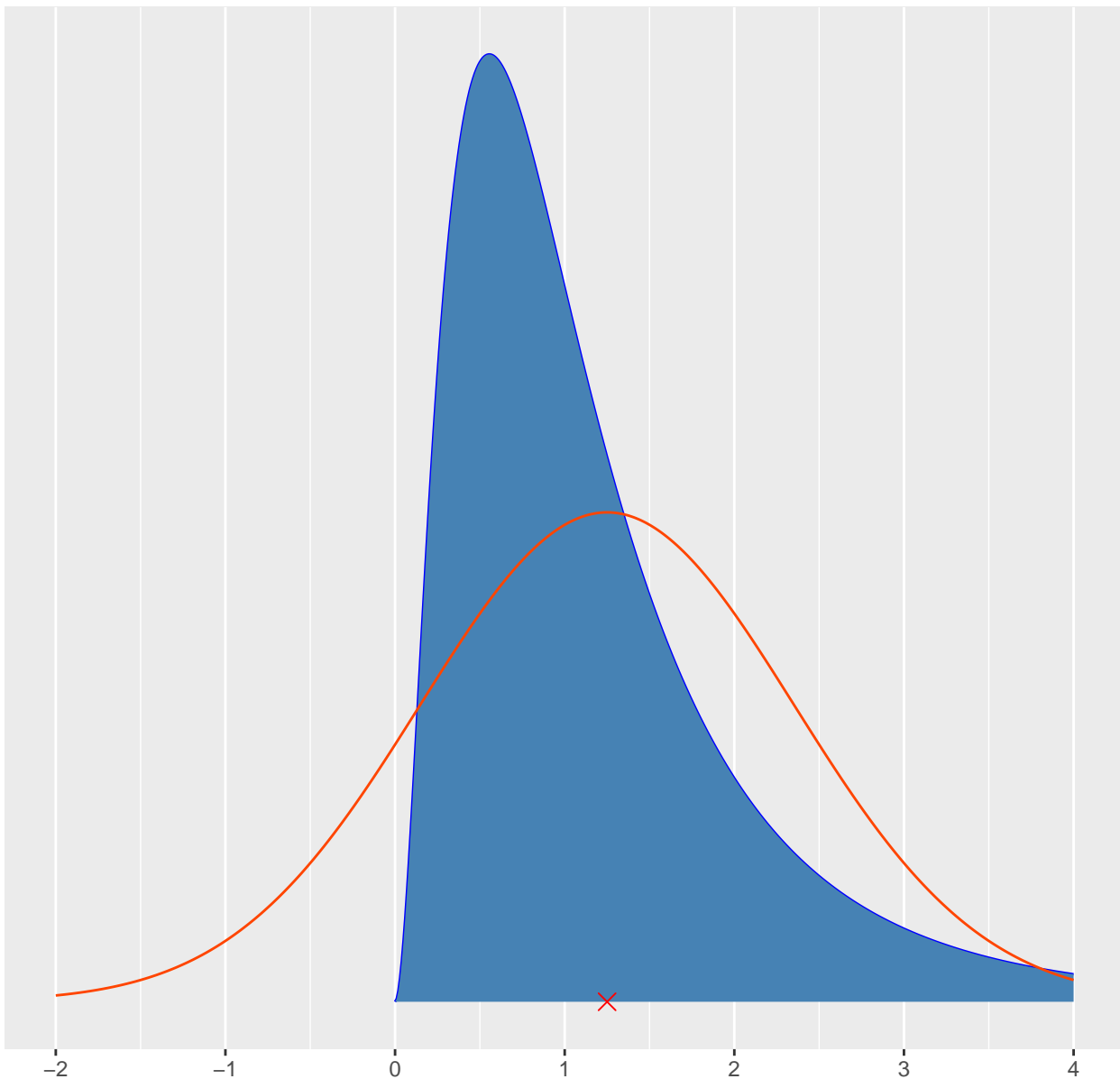


Mean = 1.071 Std Dev. = 0.84

help("vdist_f_plot")

f Distribution

Num df = 6 Den df = 10

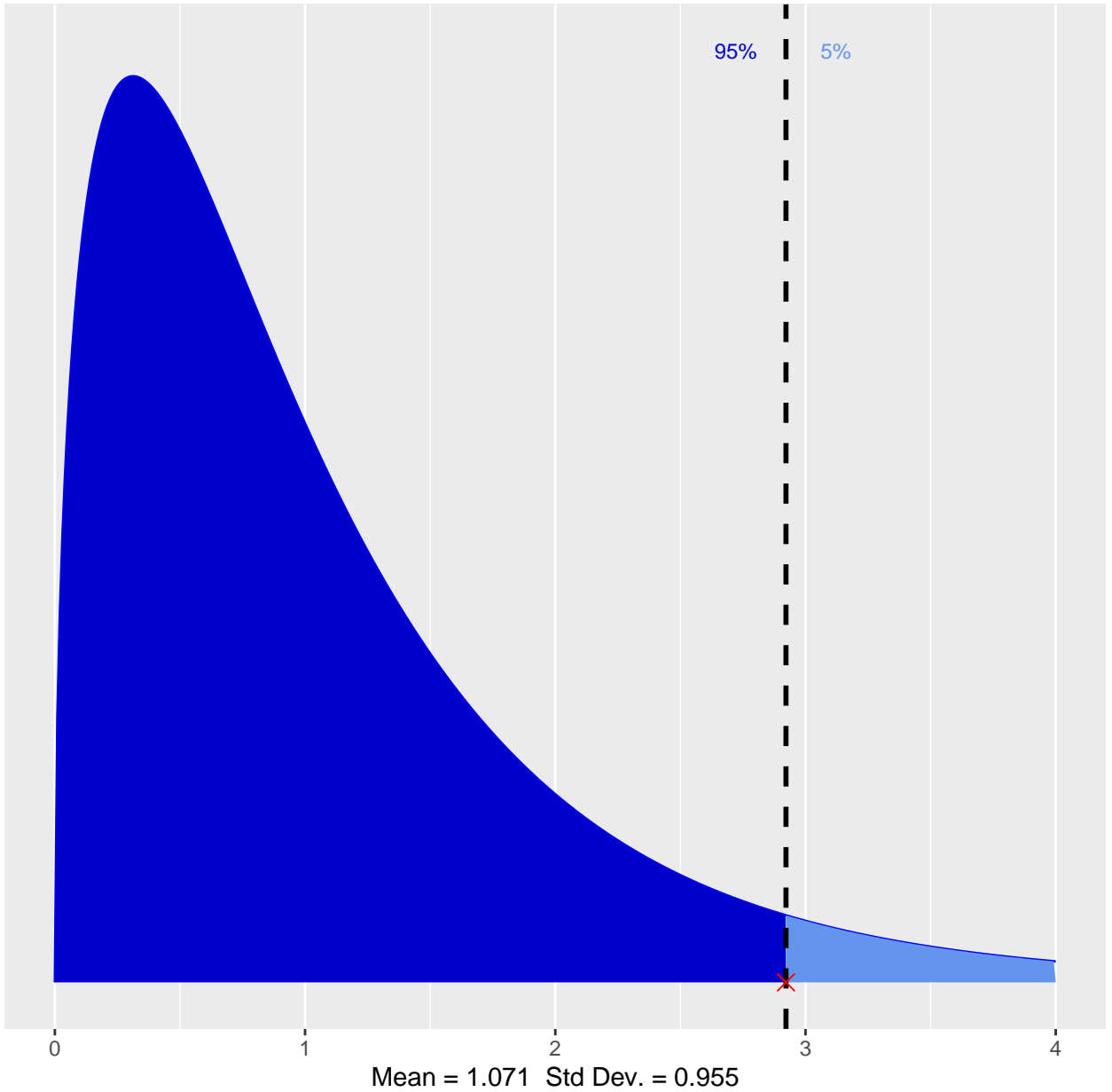


Mean = 1.25 Std Dev. = 1.102

help("vdist_f_plot")

f Distribution

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

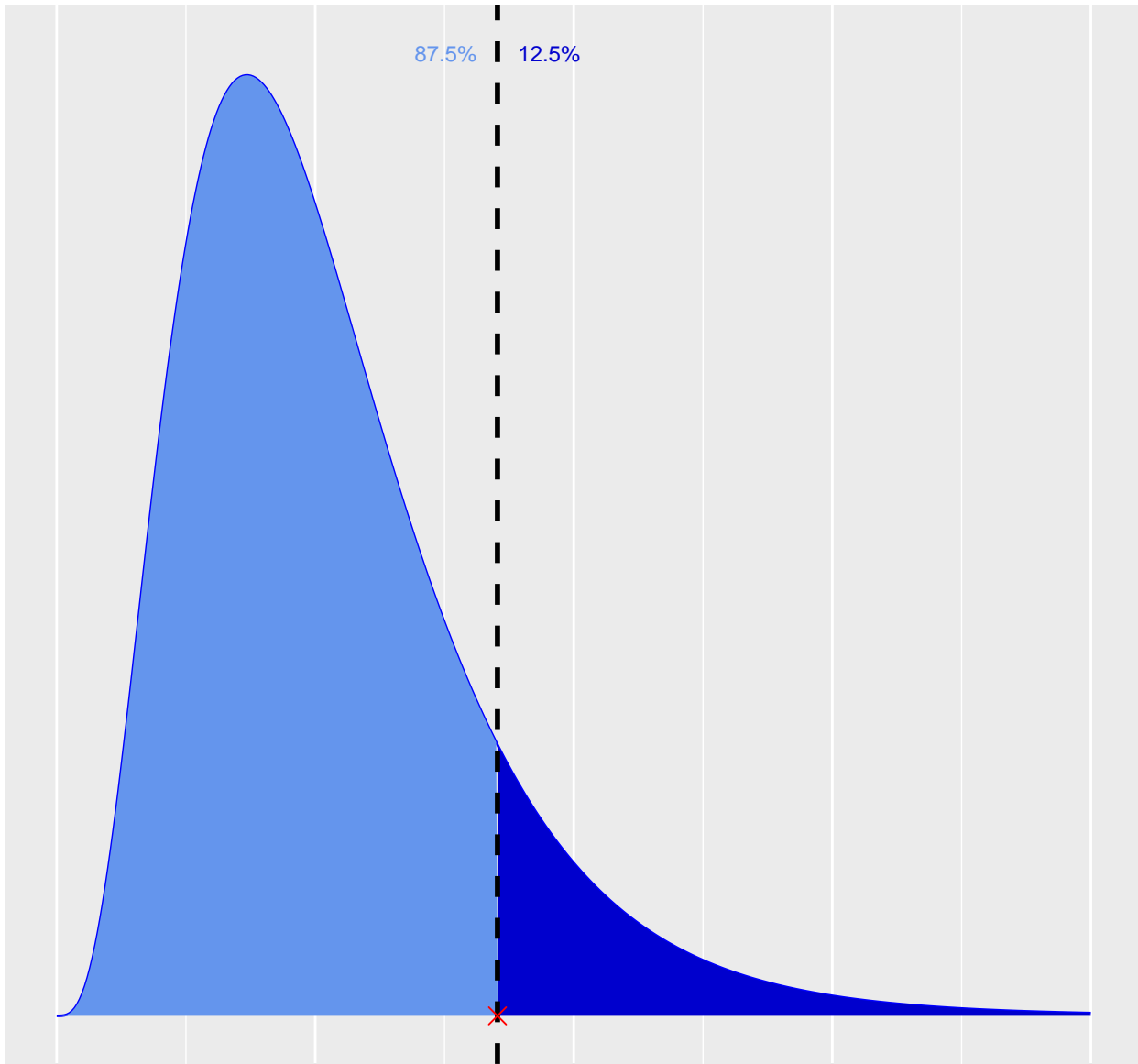


help("vdist_f_plot")

f Distribution

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

87.5% 12.5%



Mean = 1.061 Std Dev. = 0.582

help("vdist_f_plot")

f Distribution

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

93.7%

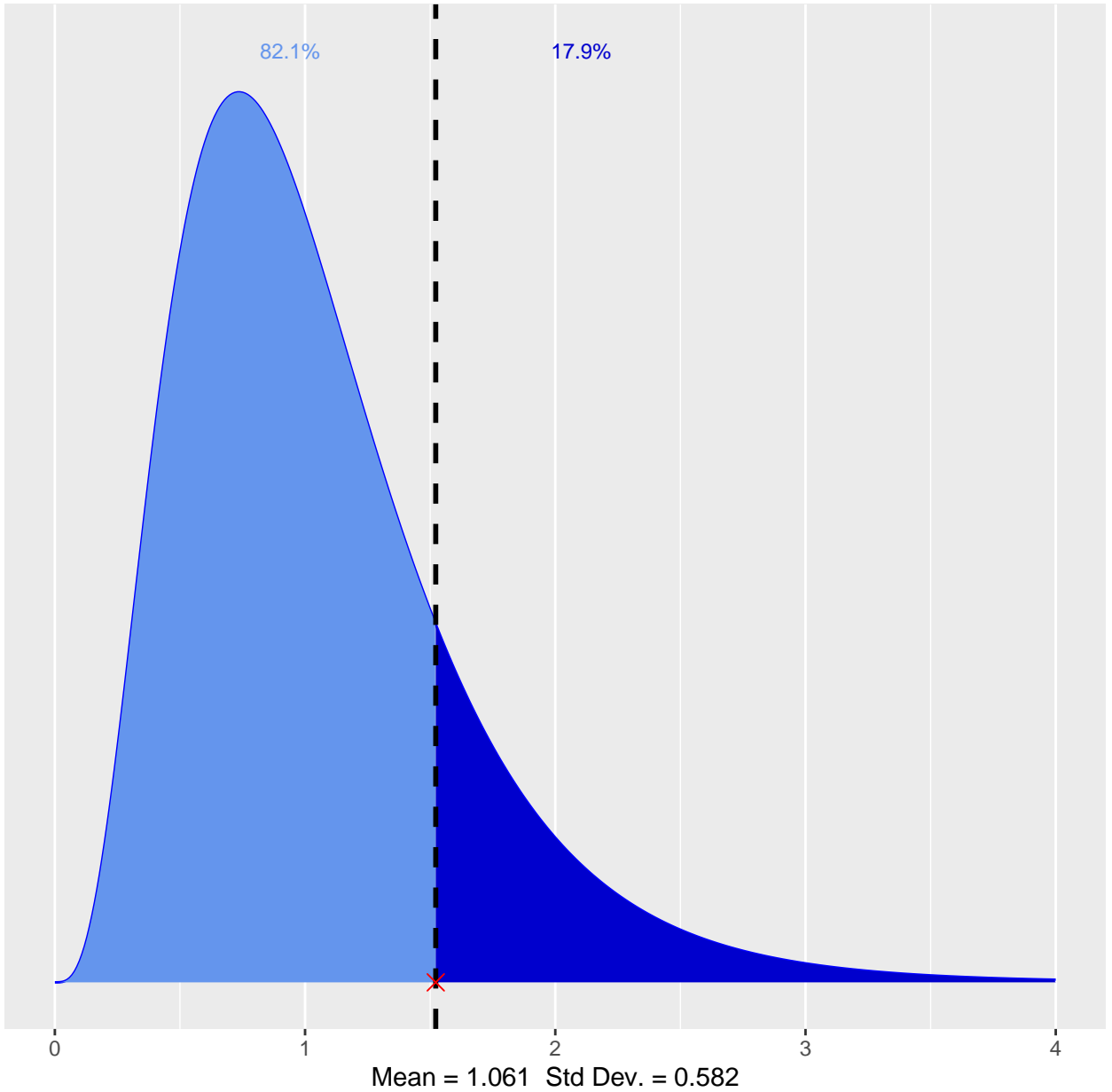
6.3%

Mean = 1.067 Std Dev. = 0.754

help("vdist_f_plot")

f Distribution

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

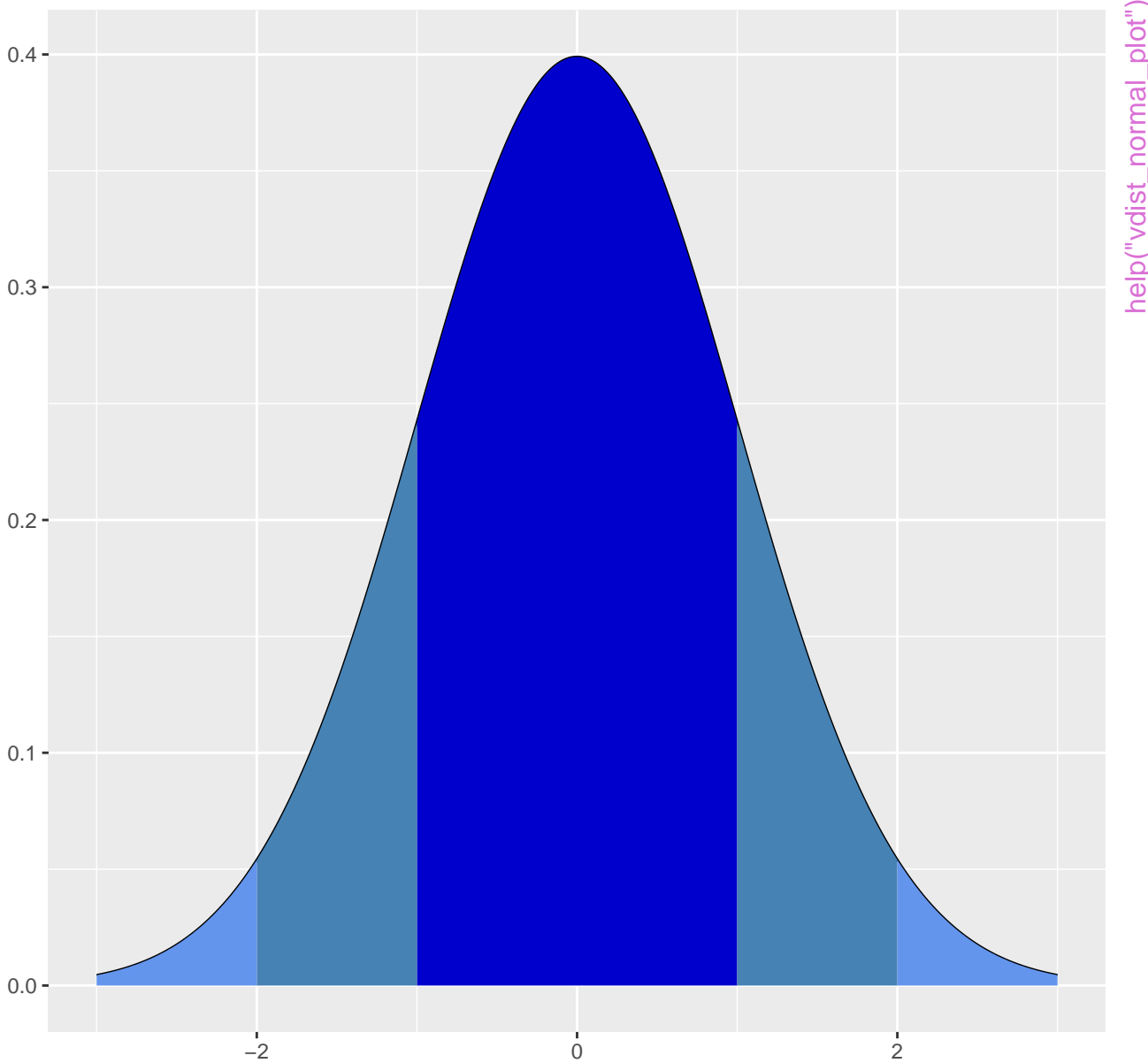


help("vdist_f_plot")

Normal Distribution

Mean: 0

Standard Deviation: 1

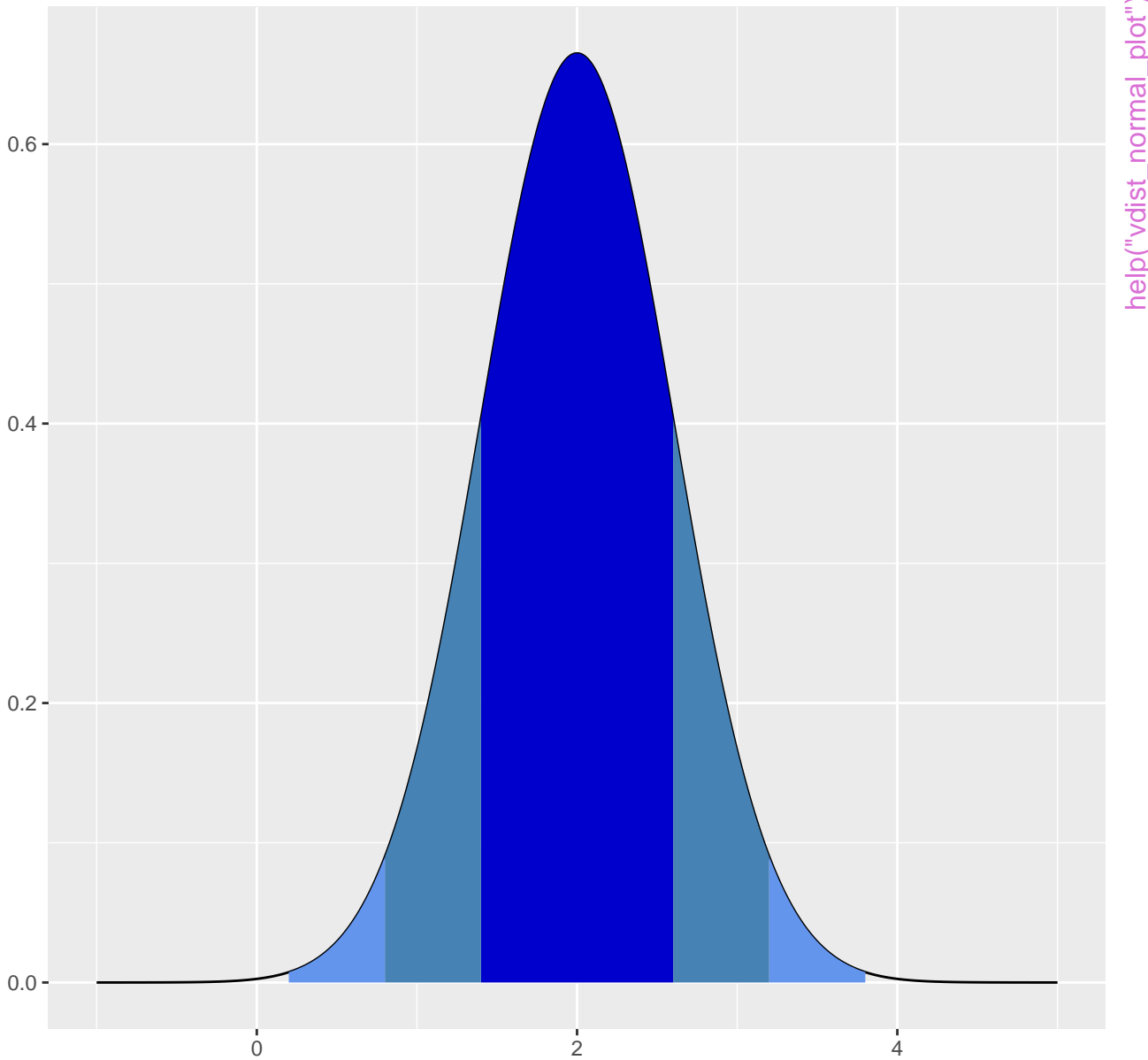


help("vdist_normal_plot")

Normal Distribution

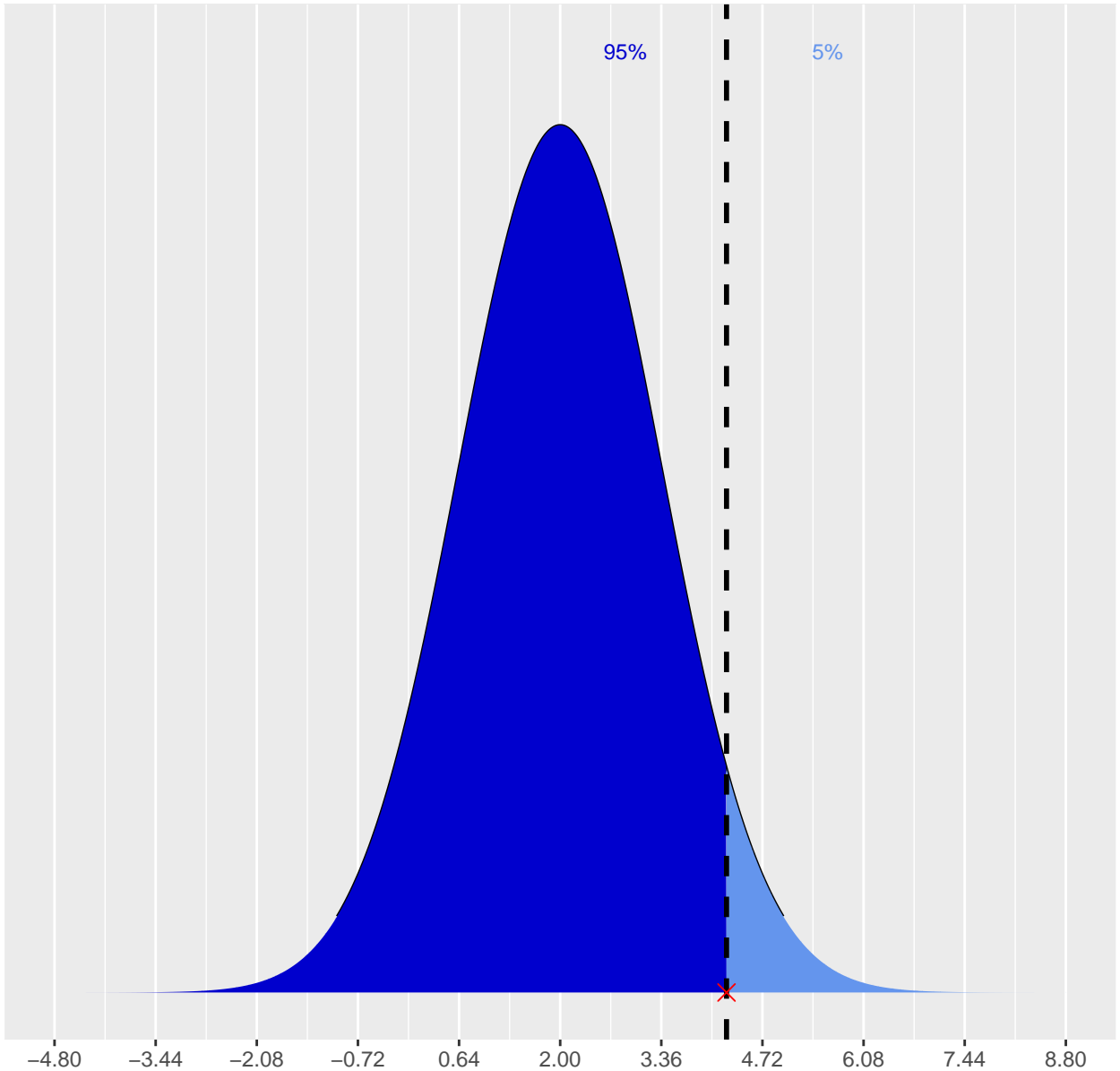
Mean: 2

Standard Deviation: 0.6



Normal Distribution

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

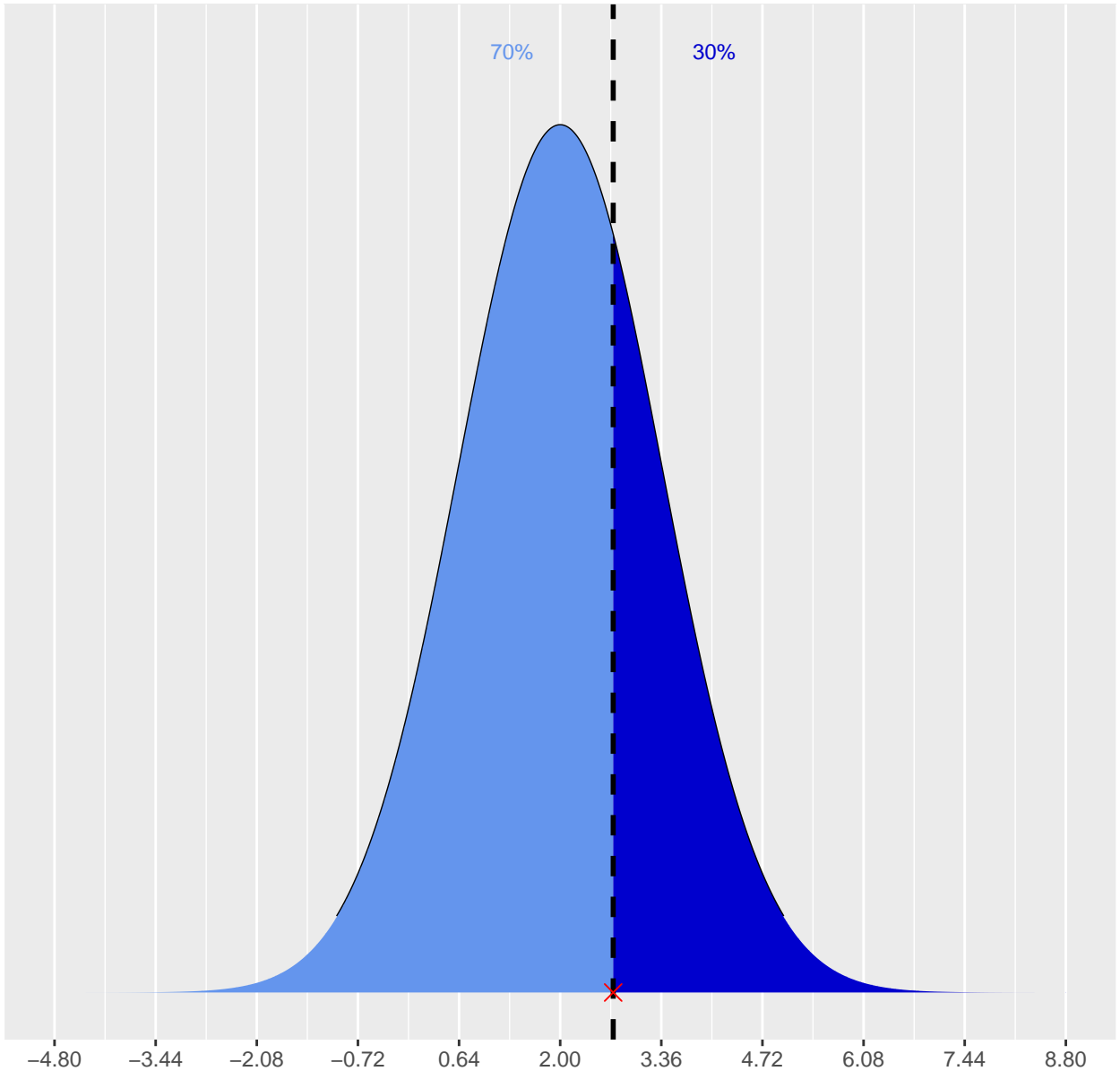


Mean: 2 Standard Deviation: 1.36

help("vdist_normal_plot")

Normal Distribution

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

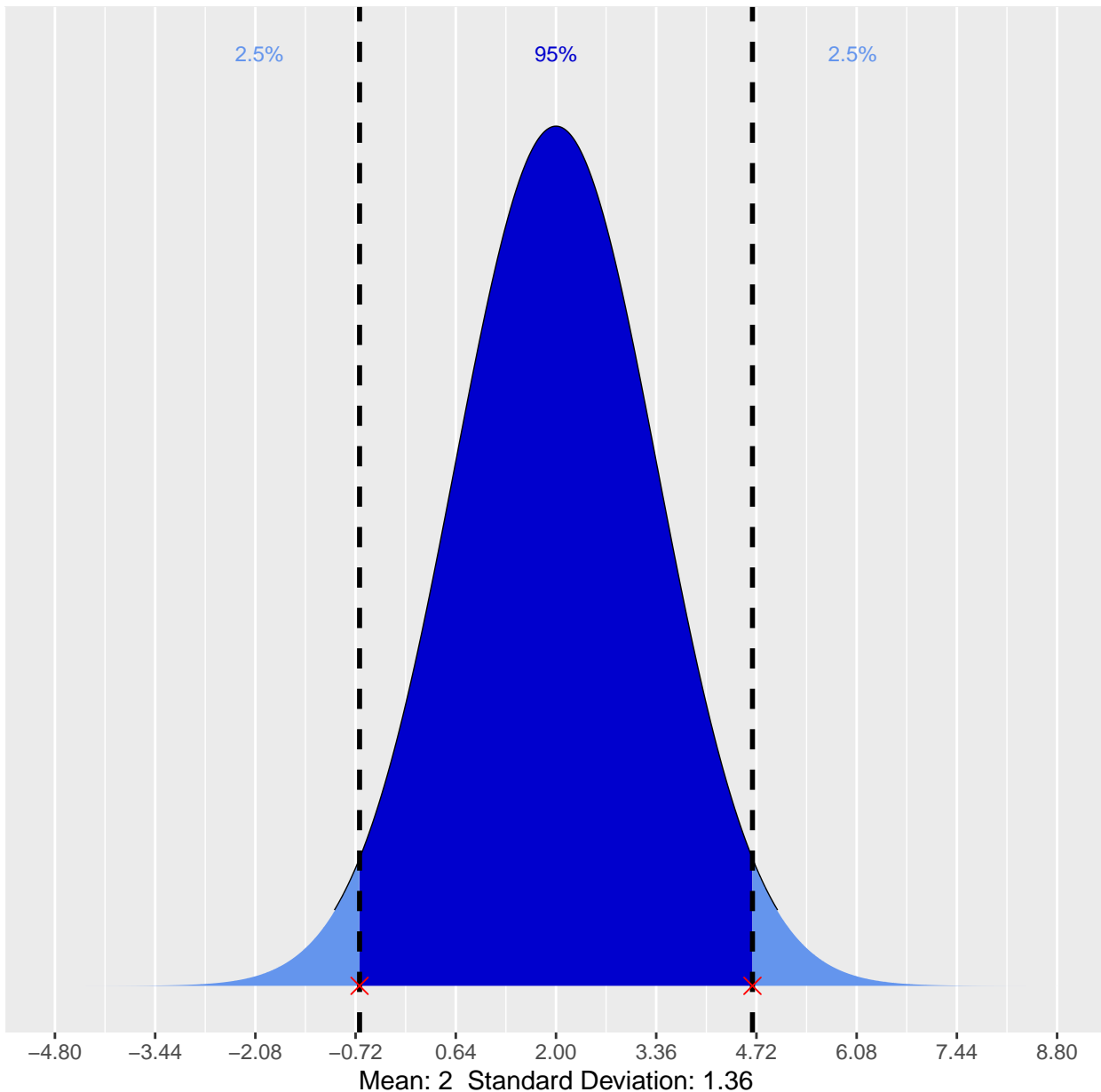


Mean: 2 Standard Deviation: 1.36

help("vdist_normal_plot")

Normal Distribution

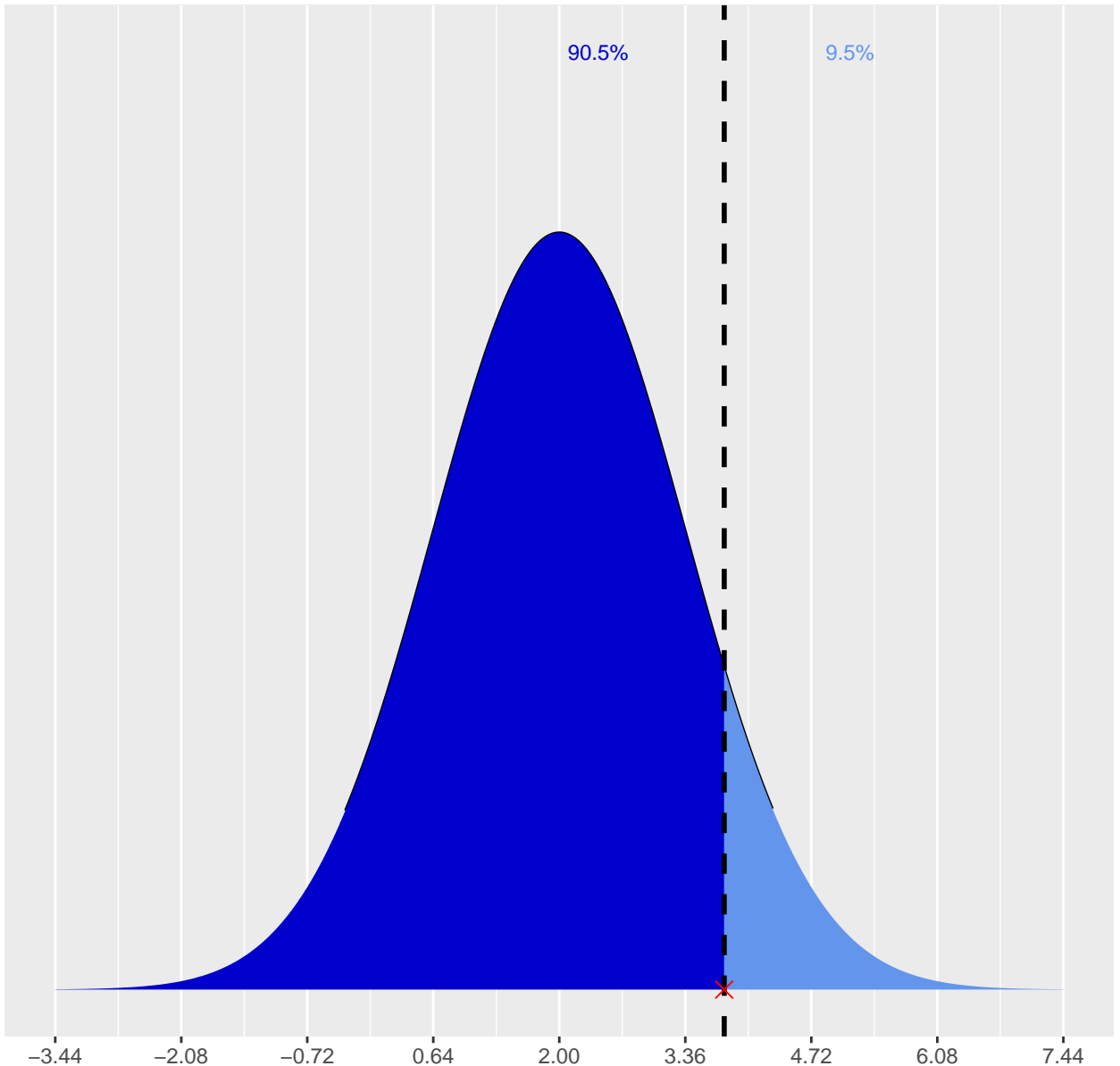
$$P(-0.666 < X < 4.666) = 95\%$$



help("vdist_normal_plot")

Normal Distribution

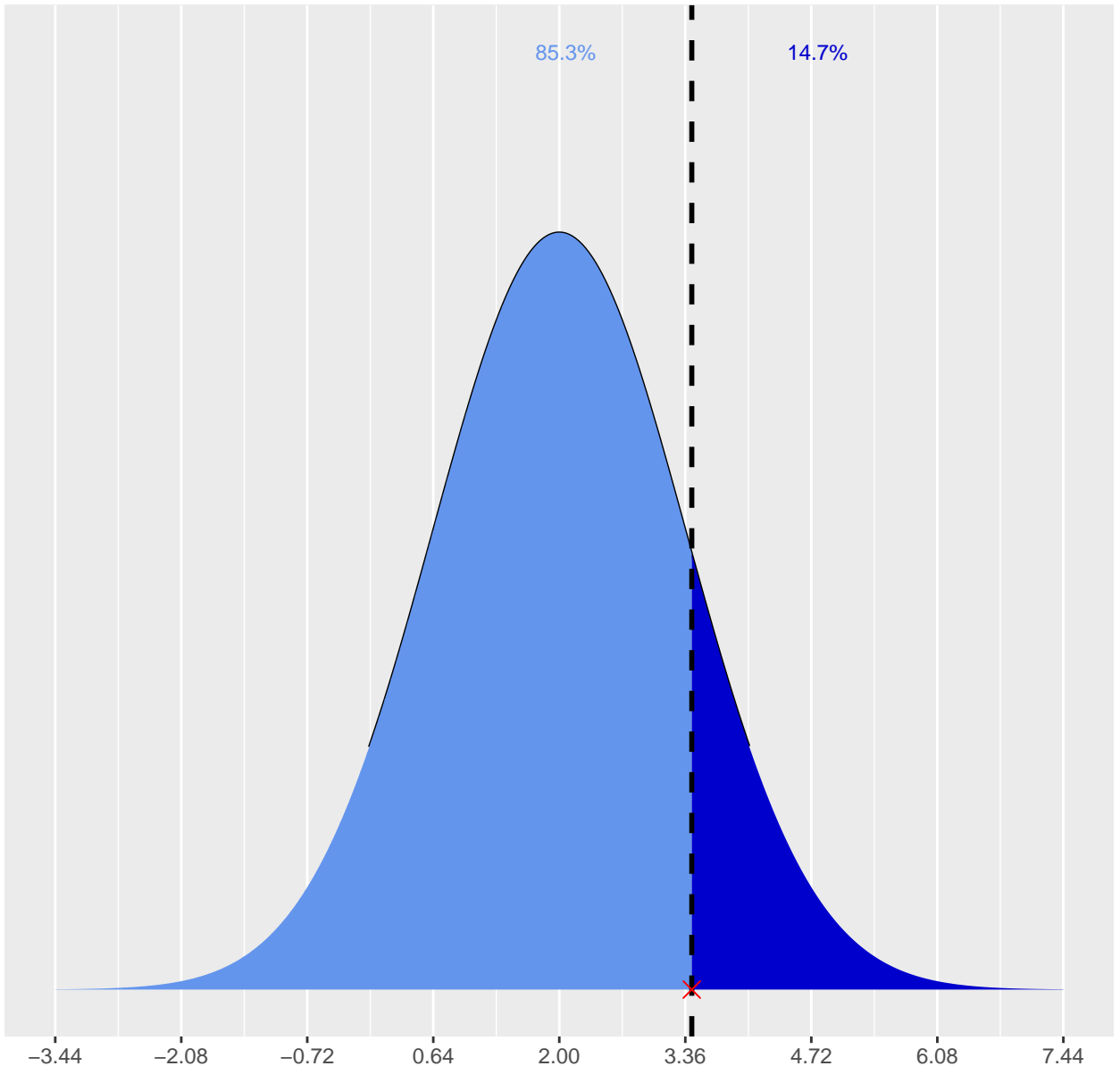
$$P(X < 3.78) = 90.5\%$$



Mean: 2 Standard Deviation: 1.36

Normal Distribution

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

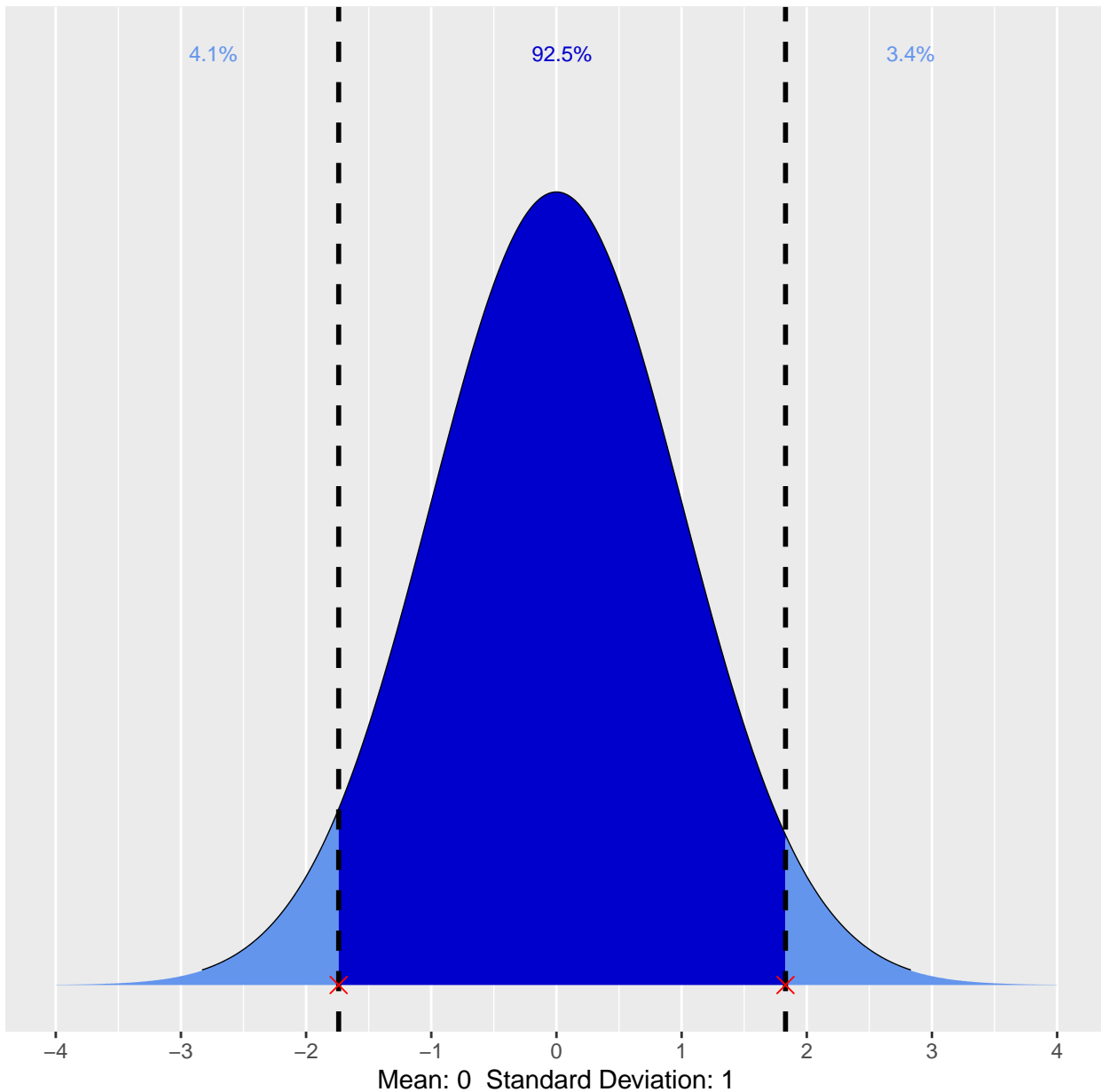


Mean: 2 Standard Deviation: 1.36

help("vdist_normal_plot")

Normal Distribution

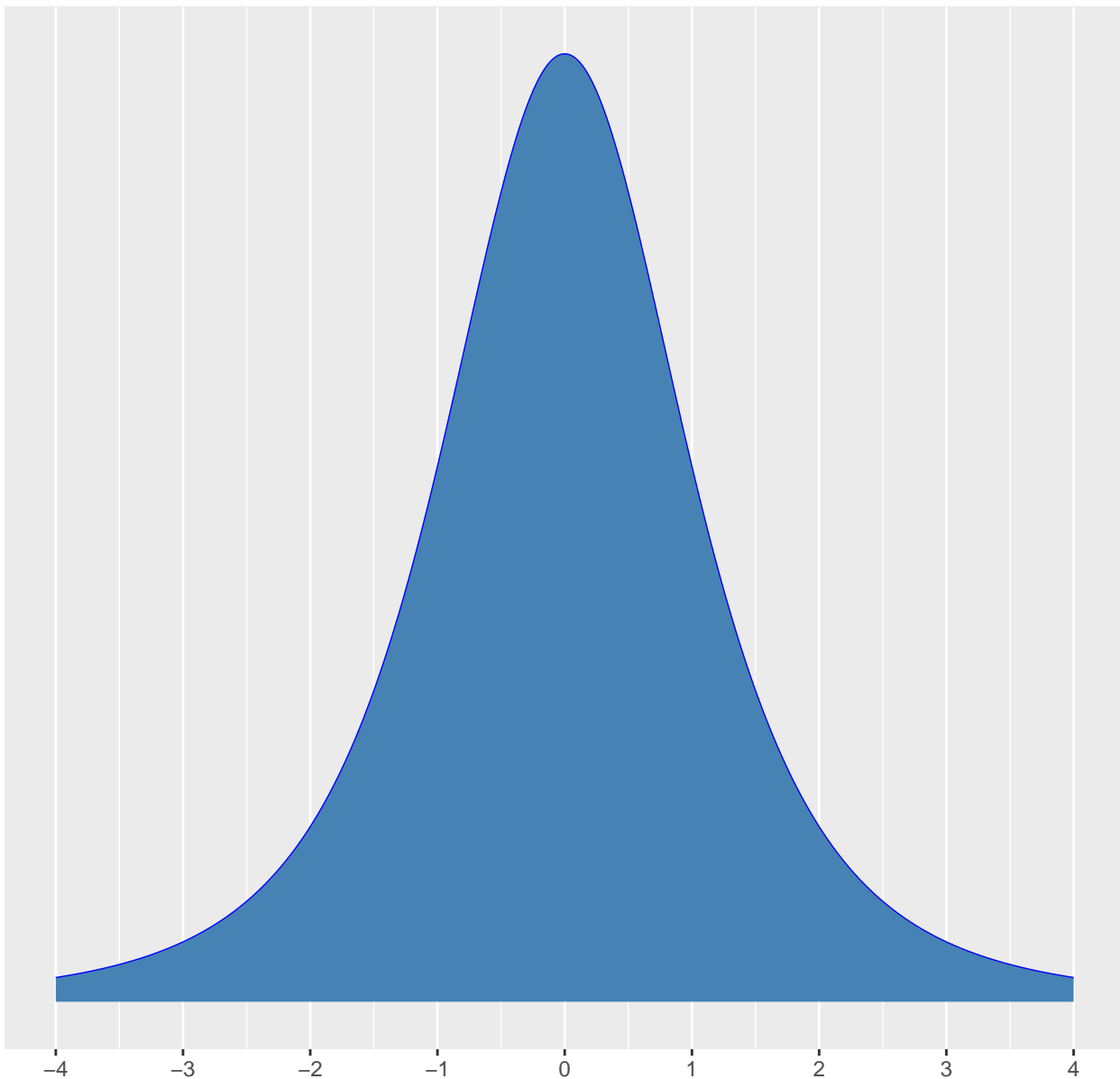
$$P(-1.74 < X < 1.83) = 92.5\%$$



help("vdist_normal_plot")

t Distribution

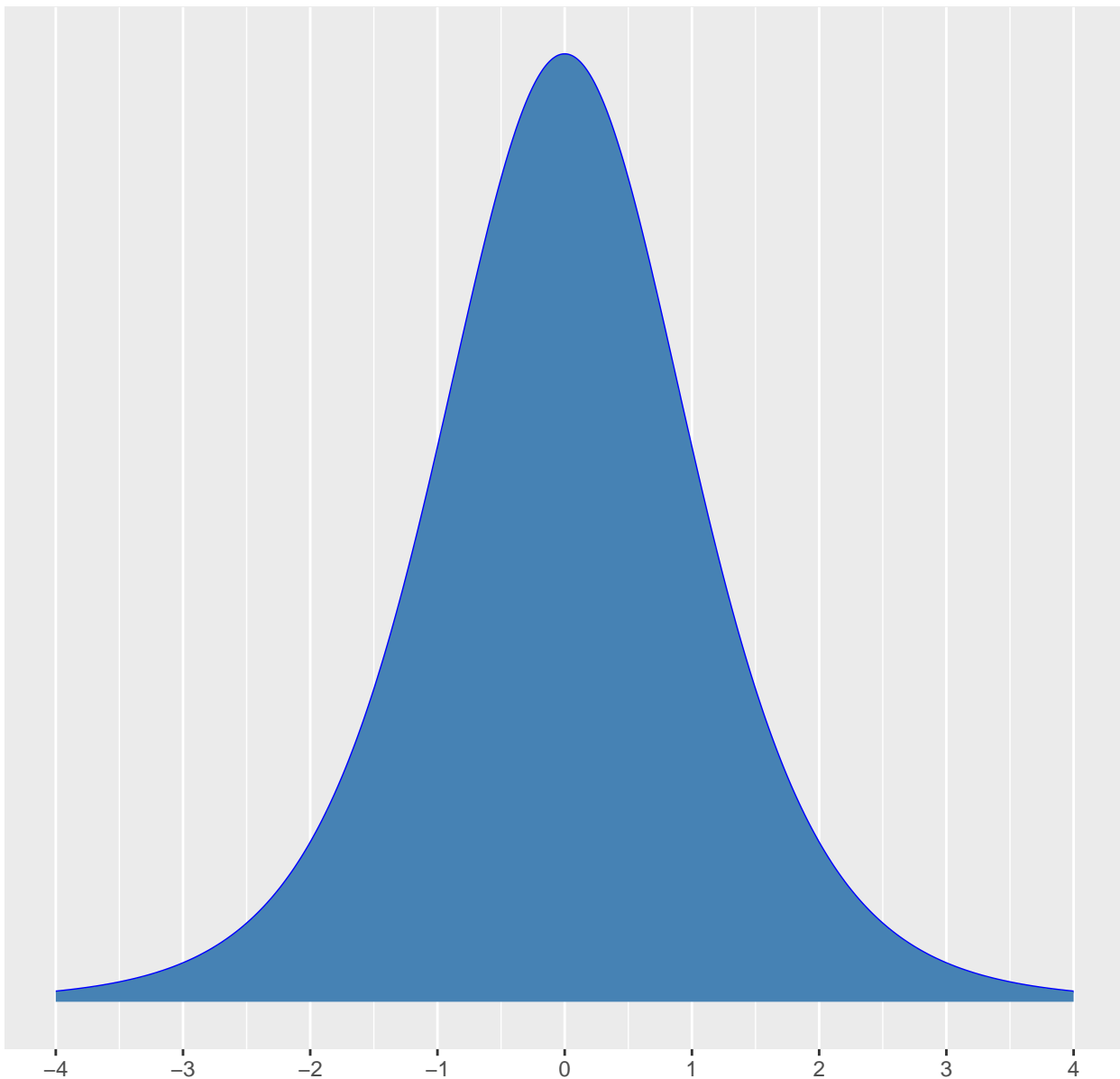
df = 3



help("vdlist_t")

t Distribution

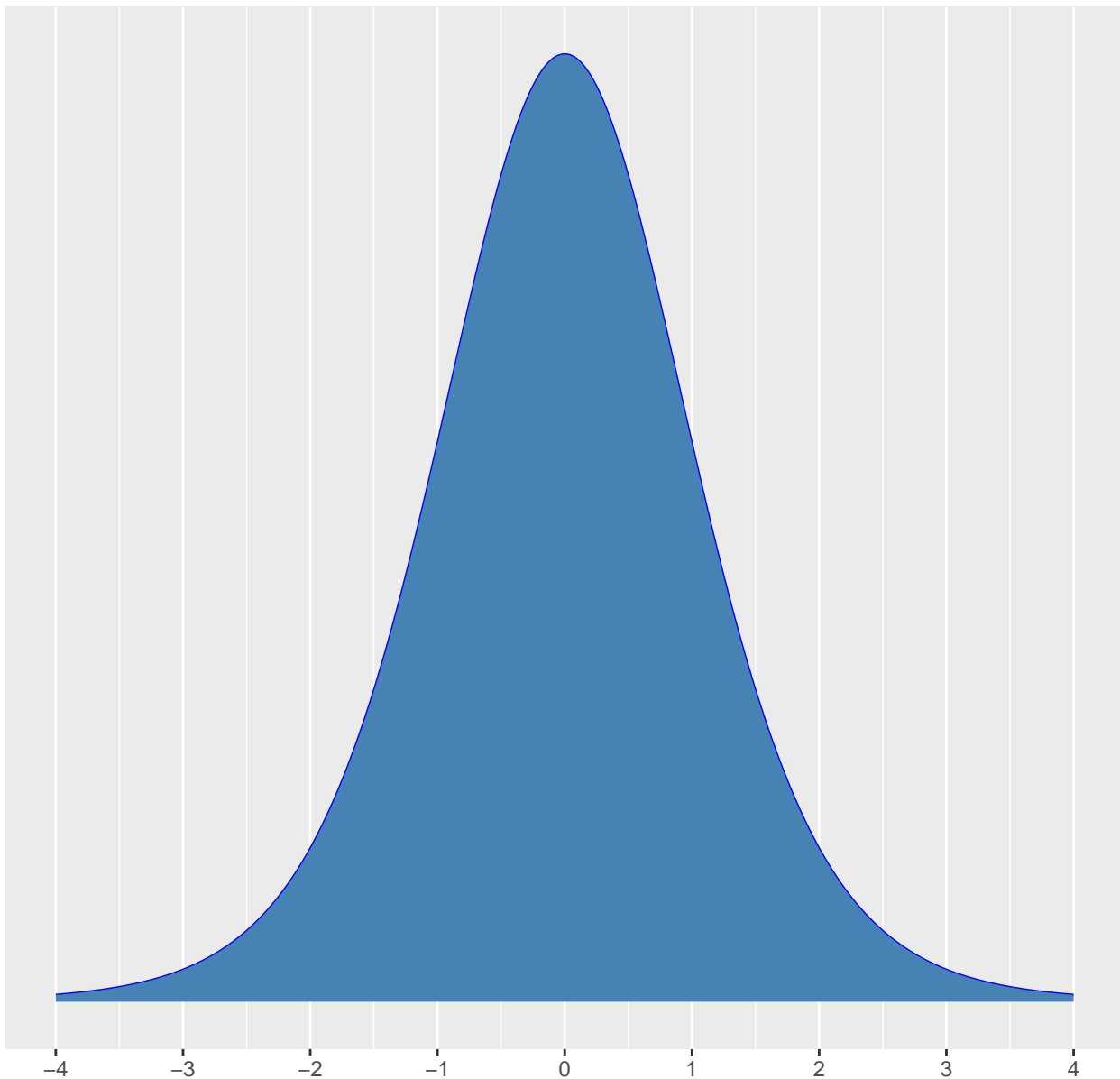
df = 6



help("vdlist_t")

t Distribution

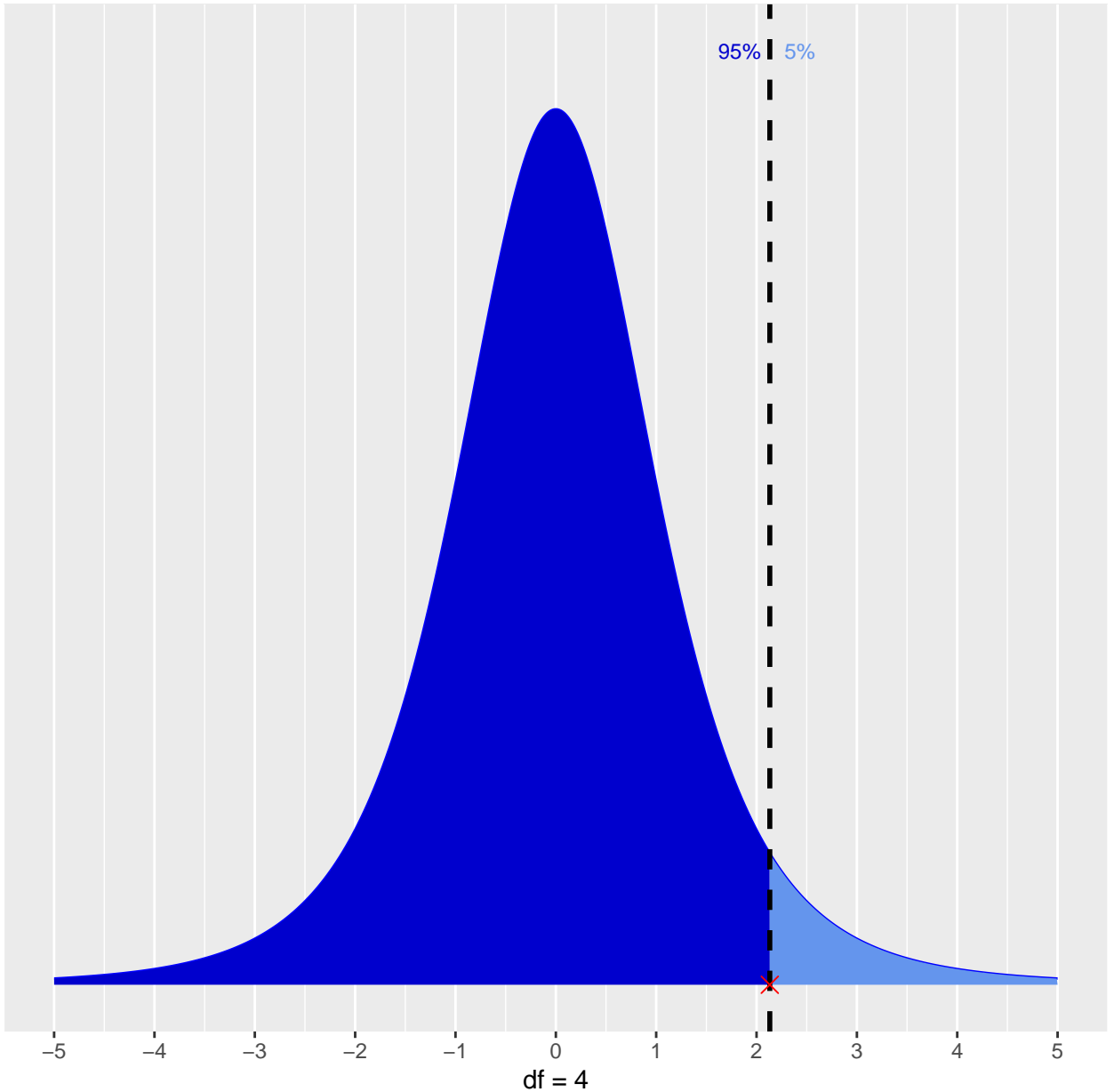
df = 8



help("vdlist_t")

t Distribution

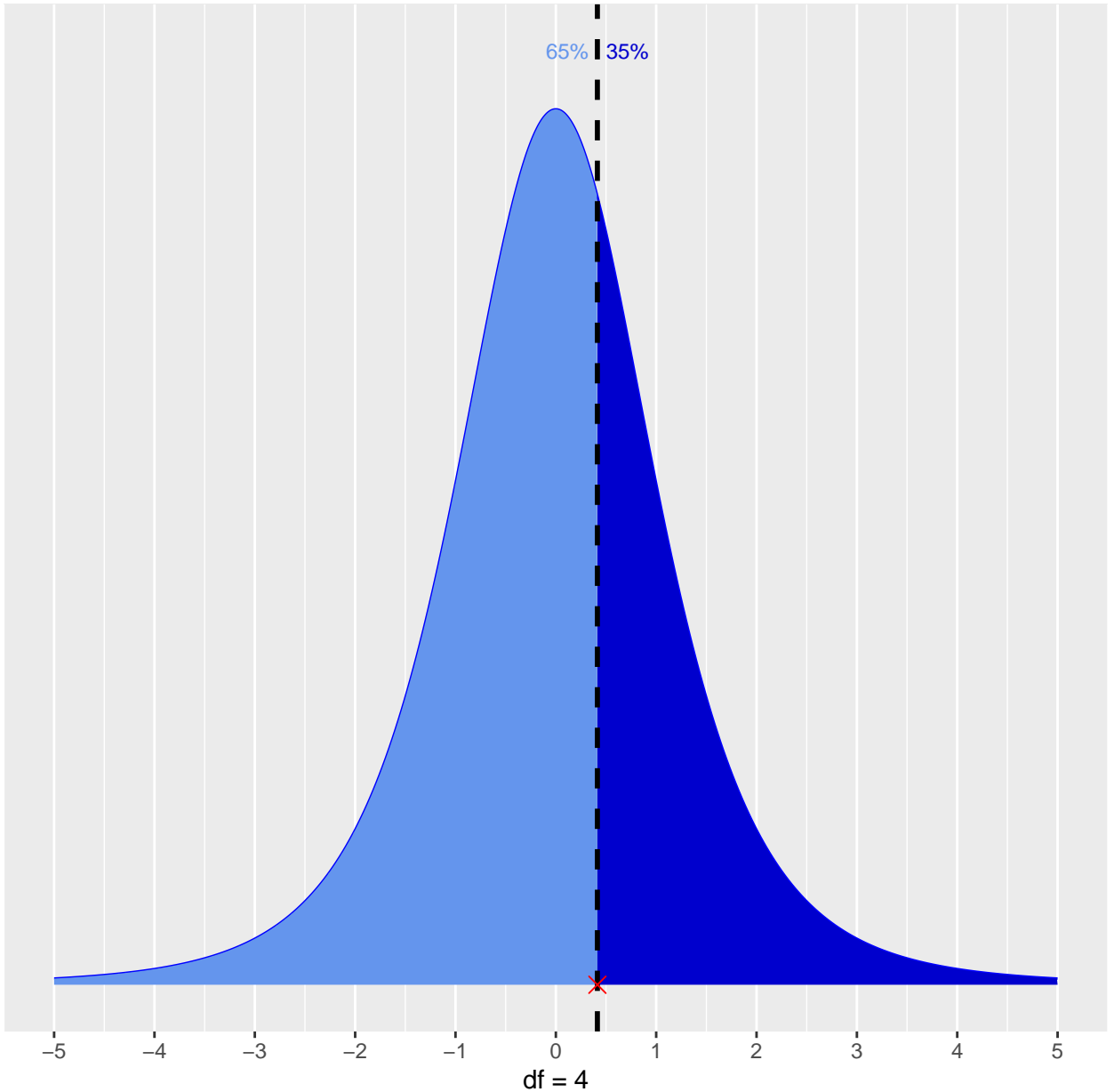
$$P(X < 2.132) = 95\%$$



help("vdlist_t")

t Distribution

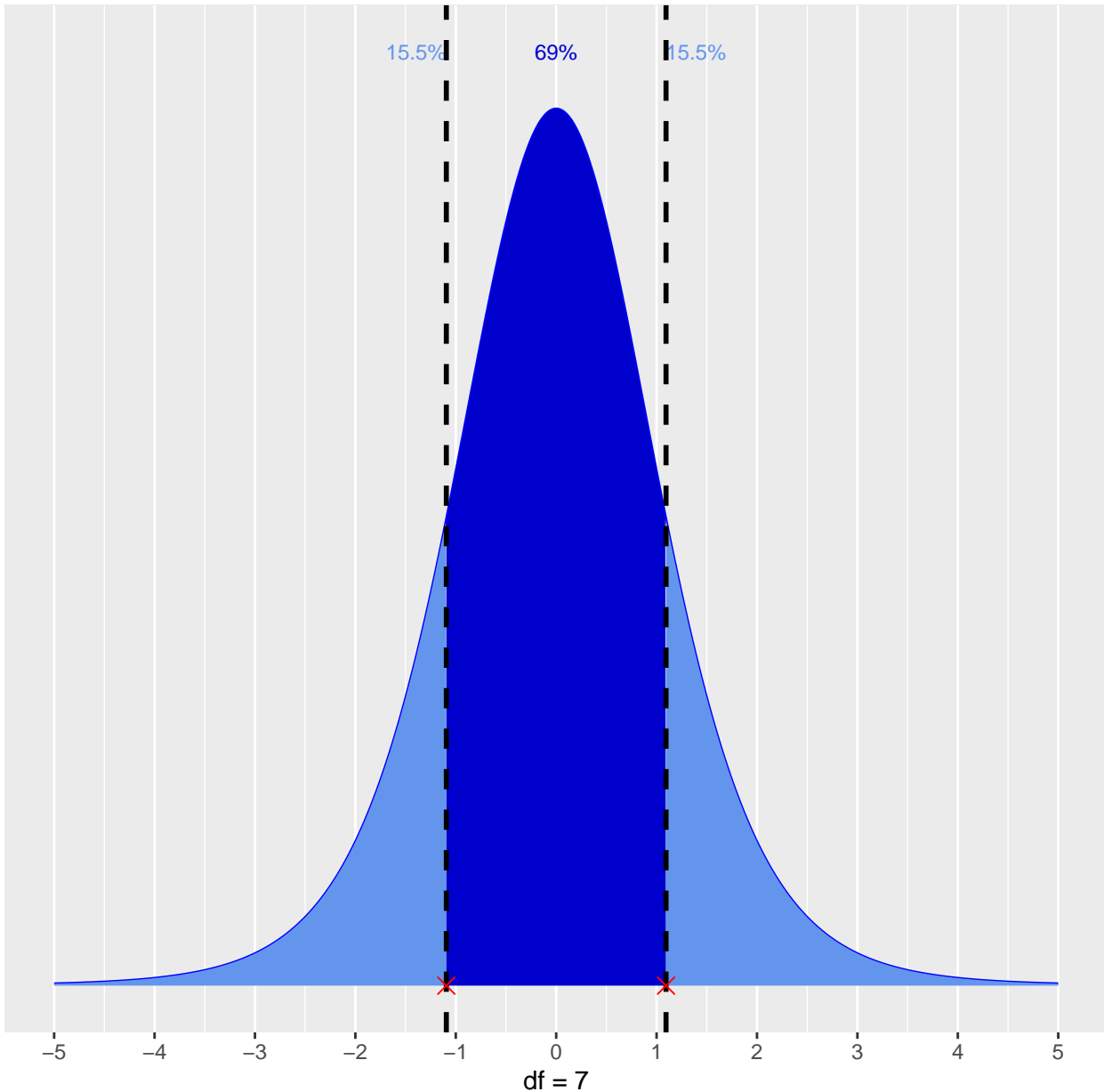
$$P(X > 0.414) = 35\%$$



help("vdist_t")

t Distribution

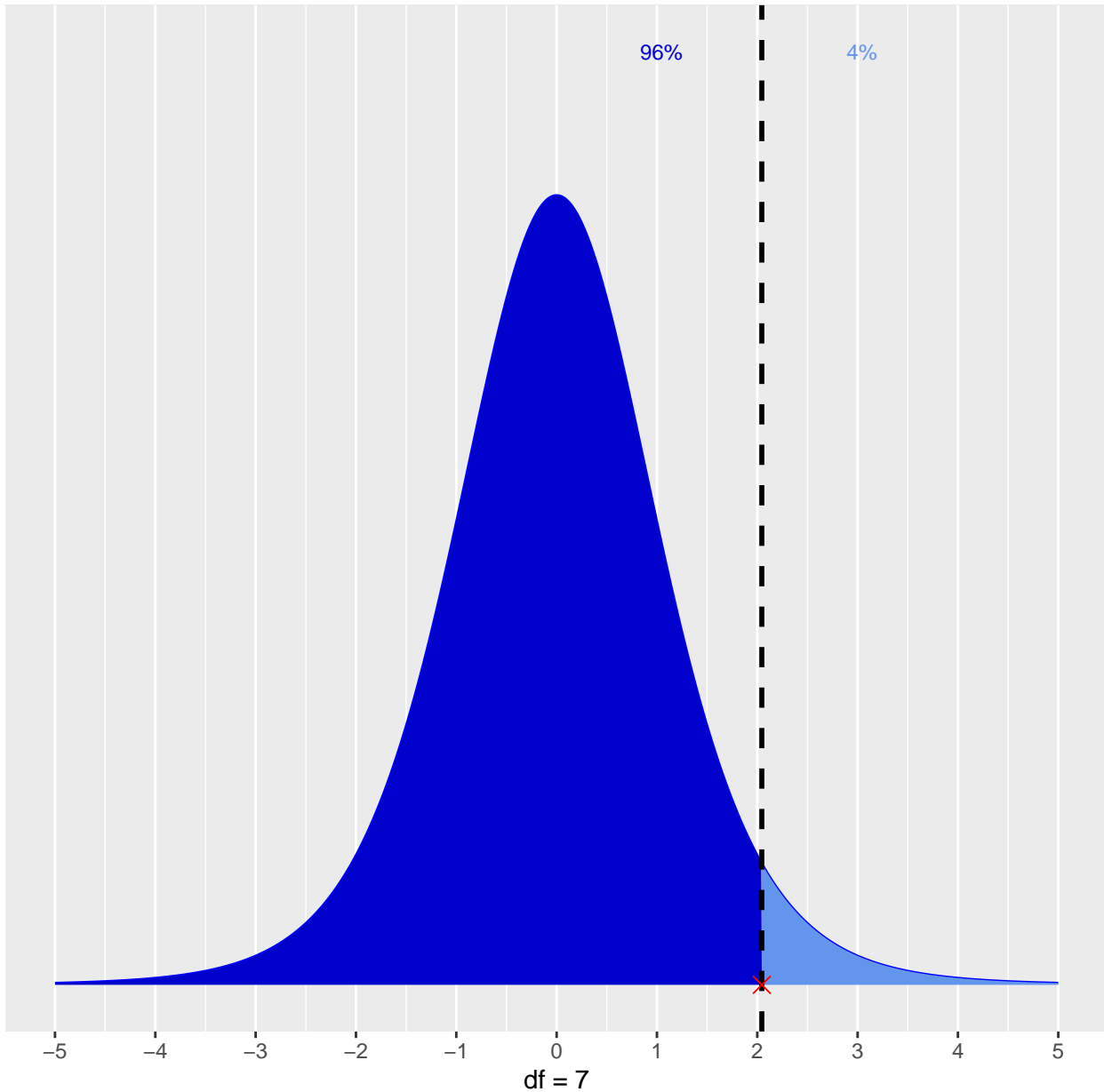
$$P(-1.094 < X < 1.094) = 69\%$$



help("vdlist_t")

t Distribution

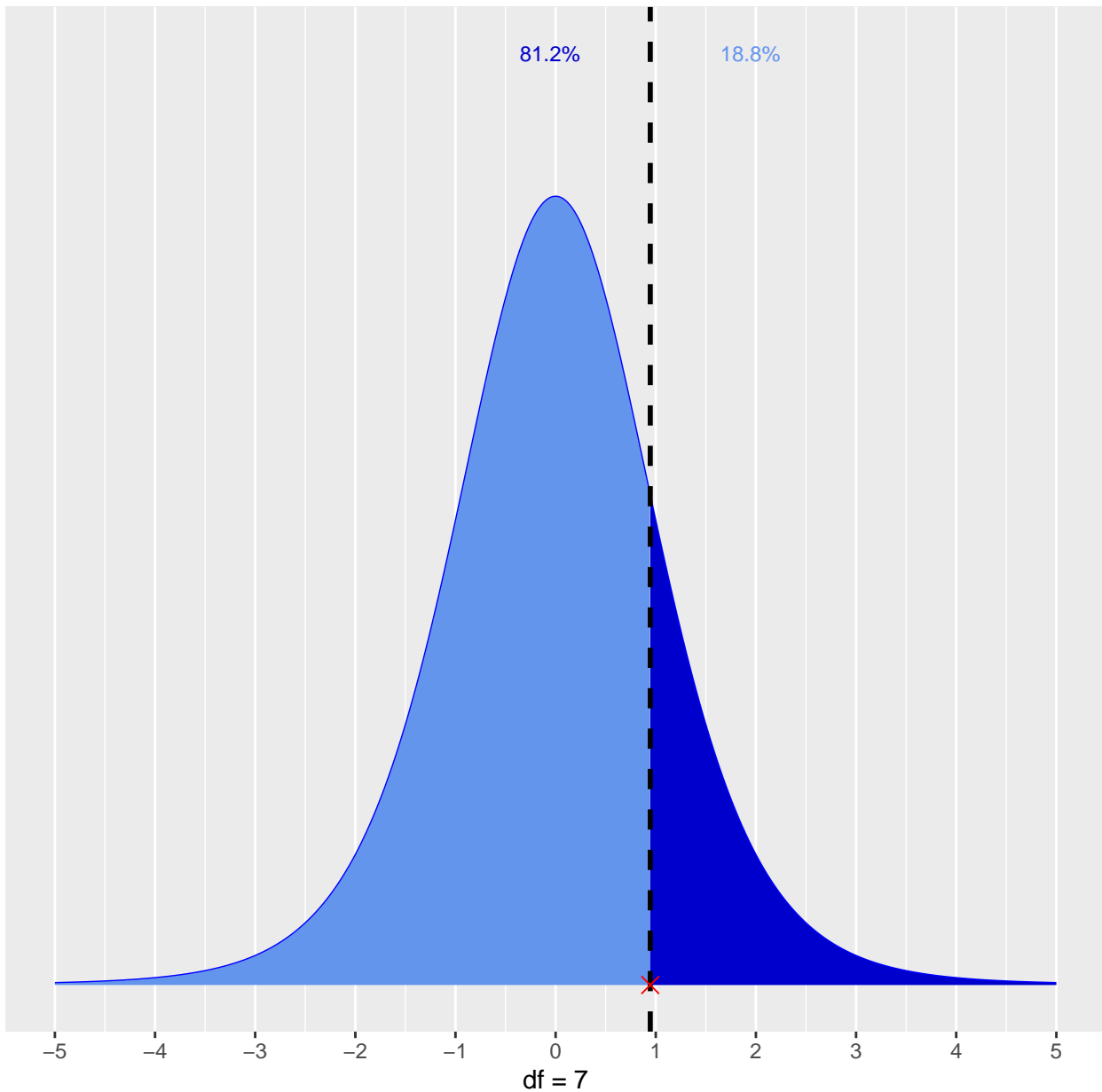
$$P(X < 2.045) = 96\%$$



help("vdist_t")

t Distribution

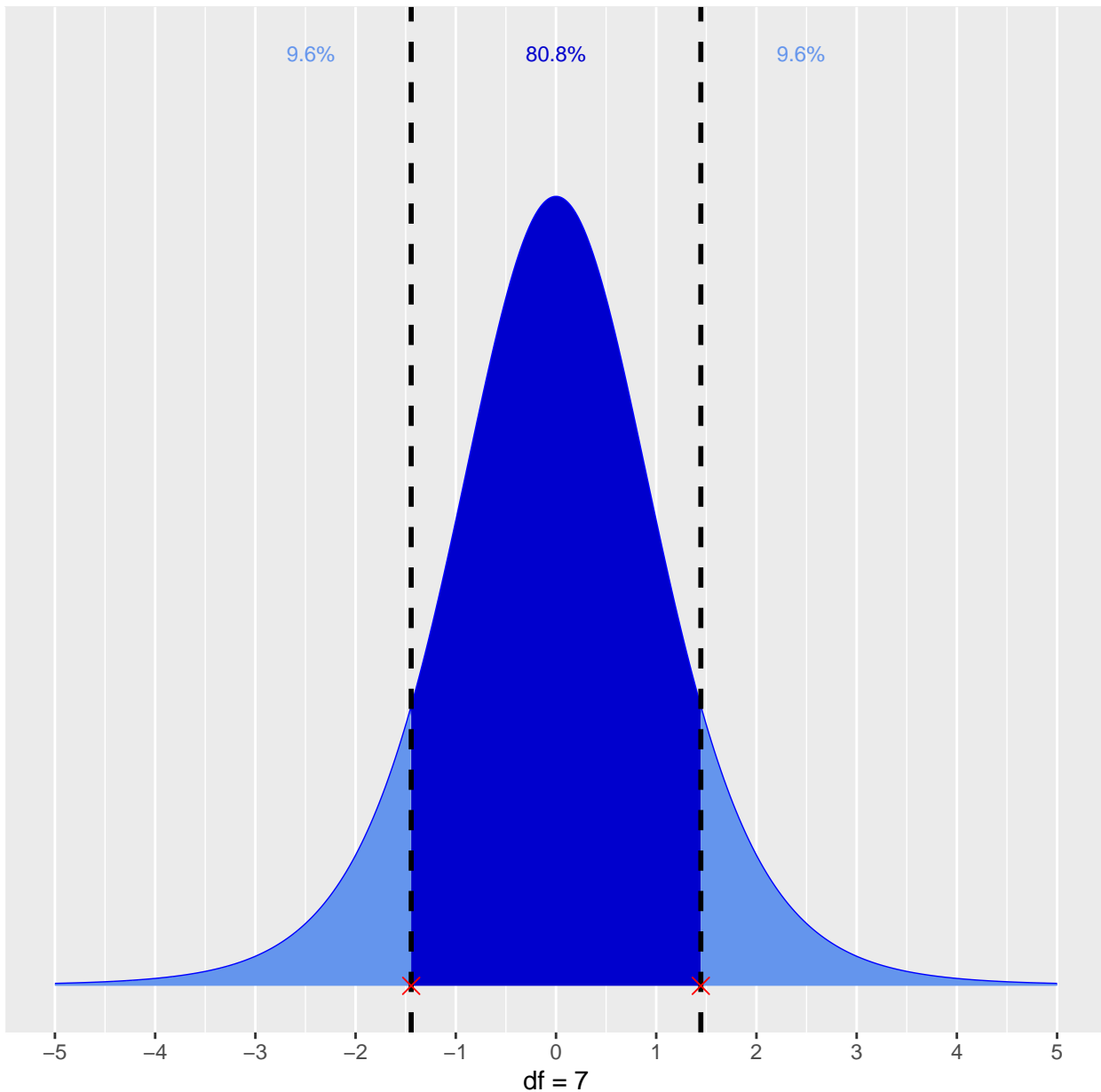
$$P(X > 0.945) = 18.8\%$$



help("vdist_t")

t Distribution

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



help("vdist_t")

t Distribution

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

