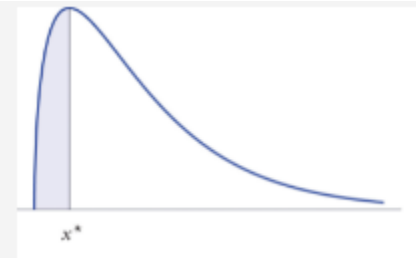
lower.tail = FALSE # For X > val

lower.tail = TRUE # Default value, for X < val



FORMAT

[1] P(X < val) = ?

[2] P(X < ?) = val

[3] P(X = val) = ?

POISSON

[1] ppois(val, lambda, lower.tail = TRUE) # set to FALSE for X > …

[2] qpois(val, lambda, lower.tail = TRUE) # set to FALSE for X > …

[3] dpois(val, lambda)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Poisson.html

GAMMA

[1] pgamma(val, shape, rate/scale, lower.tail = TRUE) # set to FALSE for X > …

[2] qgamma (val, shape, rate/scale, lower.tail = TRUE) # set to FALSE for X > …

[3] dgamma (val, shape, rate/scale)

https://www.rdocumentation.org/packages/Rlab/versions/2.15.1/topics/Gamma

STUDENT (t)

[1] pt(val, df, ncp, lower.tail = TRUE) # set to FALSE for X > …

[2] qt(val, df, ncp, lower.tail = TRUE) # set to FALSE for X > …

[3] dt(val, df, ncp)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/TDist.html

BINOMIAL

[1] pbinom(val, size, prob, lower.tail = TRUE) # set to FALSE for X > …

[2] qbinom (val, size, prob, lower.tail = TRUE) # set to FALSE for X > …

[3] dbinom (val, size, prob)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Binomial.html

CAUCHY

[1] pcauchy(val, location, scale, lower.tail = TRUE) # set to FALSE for X > …

[2] qcauchy(val, location, scale, lower.tail = TRUE) # set to FALSE for X > …

[3] dcauchy(val, location, scale)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Cauchy.html

SNEDECOR (f)

[1] pf(val, df1, df2, ncp, lower.tail = TRUE) # set to FALSE for X > …

[2] qf(val, df1, df2, ncp, lower.tail = TRUE) # set to FALSE for X > …

[3] df(val, df1, df2, ncp)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Fdist.html

χ^2

[1] pchisq(val, df, ncp, lower.tail = TRUE) # set to FALSE for X > …

[2] qchisq(val, df, ncp, lower.tail = TRUE) # set to FALSE for X > …

[3] dchisq(val, df, ncp)

https://www.rdocumentation.org/packages/stats/versions/3.6.2/topics/Chisquare

GEOMETRIC

[1] pgeom(val, prob, lower.tail = TRUE) # set to FALSE for X > …

[2] qgeom(val, prob, lower.tail = TRUE) # set to FALSE for X > …

[3] dgeom(val, prob)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Geometric.html

EXPONENTIAL

[1] pexp(val, rate, lower.tail = TRUE) # set to FALSE for X > …

[2] qexp(val, rate, lower.tail = TRUE) # set to FALSE for X > …

[3] dexp(val, rate)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Exponential.html

WEIBULL

[1] pweibull(val, shape, scale, lower.tail = TRUE) # set to FALSE for X > …

[2] qweibull(val, shape, scale, lower.tail = TRUE) # set to FALSE for X > …

[3] dweibull(val, shape, scale)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Weibull.html

HYPERGEOMETRIC

[1] phyper(val, m, n, k, lower.tail = TRUE) # set to FALSE for X > …

[2] qhyper(val, m, n, k, lower.tail = TRUE) # set to FALSE for X > …

[3] dhyper(val, m, n, k)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Hypergeometric.html

NEG. BINOMIAL

[1] pnbinom(val, size, prob, mu, lower.tail = TRUE) # set to FALSE for X > …

[2] qnbinom(val, size, prob, mu, lower.tail = TRUE) # set to FALSE for X > …

[3] dnbinom(val, size, prob, mu)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/NegBinomial.html

UNIFORM

[1] punif(val, min, max, lower.tail = TRUE) # set to FALSE for X > …

[2] qunif(val, min, max, lower.tail = TRUE) # set to FALSE for X > …

[3] dunif(val, min, max)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Uniform.html

MULTIVARIATE GAUSSIAN

https://stat.ethz.ch/R-manual/R-devel/library/MASS/html/mvrnorm.html

https://www.rdocumentation.org/packages/mvtnorm/versions/1.1-3/topics/Mvnorm

BETA

[1] pbeta(val, shape1, shape2, lower.tail = TRUE) # set to FALSE for X > …

[2] qbeta(val, shape1, shape2, lower.tail = TRUE) # set to FALSE for X > …

[3] dbeta(val, shape1, shape2)

https://stat.ethz.ch/R-manual/R-devel/library/stats/html/Beta.html

GAUSSIAN

[1] ppois(val, mean, sd, lower.tail = TRUE) # set to FALSE for X > …

[2] qpois(val, mean, sd, lower.tail = TRUE) # set to FALSE for X > …

[3] dpois(val, mean, sd, lambda)

https://www.tutorialspoint.com/r/r_normal_distribution.htm