

Description	Function	Example
Binomial Probability (At least-)	1 - (BINOM.DIST (number, trial, probability, TRUE))	1 - BINOM.DIST (2, 9, 0.44, TRUE) gives P(x ≥3) 3and more
Binomial Probability (At most)	BINOM.DIST (number, trial, probability, TRUE)	BINOM.DIST (3, 9, 0.44, TRUE) gives P(x ≤ 3) up to 3
Binomial Probability (Exactly)	BINOM.DIST (number, trial, probability, FALSE)	BINOM.DIST (3, 9, 0.44, FALSE)
Combination	COMBIN (total number available, number-chosen)-without repetition COMBIN (total number available, number-chosen)-with repetition	COMBIN (10,3) COMBIN(A (10,3)-with repetition
Find Critical-t α/2 for a given confidence c	T.INV ((1-c)/2, degree of freedom)	T.INV ((1-0.98)/2, 5)
Find Critical-z with a given confidence c (Left)	NORM.S.INV (1-c)	NORM.S.INV ((1- 0.98))
Find Critical-z with a given confidence c (Right)	ABS (NORM.S.INV (1-c))	ABS (NORM.S.INV (1- 0.98))
Find Critical-z with a given confidence c (Two Tail)	NORM.S.INV ((1-c)/2)	NORM.S.INV((1-0.98)/2)
Find Margin of Error E (Normal Distribution)	CONFIDENCE.NORM (alpha, standard deviation, size)	CONFIDENCE.NORM (0.05,10.2,35)
Find Margin of Error E (T-Distribution)	CONFIDENCE.T (alpha, standard deviation, size)	CONFIDENCE.T(0.05,10.2,35)
Find Probability from a given x-value (Area to the left when $\mu = 0, \sigma =1$)	NORM.S.DIST (x, cumulative)	NORM.S.DIST (2.35, TRUE)
Find Probability from a given x-value (Area to the left with a given mean and standard deviation)	NORM.DIST (x, mean, standard deviation, cumulative)	NORM.DIST (500,300, 35, TRUE)
Find p-value from a t-statistic	T.DIST (x, df,True) gives LEFT tail T.DIST.RT (x, df) gives RIGHT tail	T.DIST (2.35, 5,True) T.DIST.RT(2.35, 5)
Find p-value from a z-statistic(Area to the left when $\mu = 0, \sigma =1$)	NORM.S.DIST (z-stat, TRUE)	NORM.S.DIST (-2.35, TRUE)
Find t-value from a given probability (Returns left tail)	T.INV (probability, degree of freedom)	T.INV (0.33, 5)
Find t-value from a given probability (Returns Right tail)	ABS ((T.INV (probability, degree of freedom))	ABS (T.INV (0.33,5))
Find z-value from a given probability	NORM.INV (area to the left, mean, standard deviation)	NORM.INV (0.79,21,4)
Finding Correlation coefficient 'r'	CORREL (Array of X-values, Array of Y-values) PEARSON (Array of X-values, Array of Y-values)	CORREL(A1:A10, B1:B10) PEARSON (A1: A10, B1:B10)
Finding p-value using Chi Squared Distribution	CHISQ.TEST(Array of Actual Frequency, Array of Expected Frequency)	CHISQ.TEST(A1:A10, C1:C10)
Median	MEDIAN (Address of First Data Cell : Address of Last Data Cell)	MEDIAN (A3:A10)

Description	Function	Example
Midrange	(MAX (Address of First Data Cell : Address of Last Data Cell) + MIN (Address of First Data Cell : Address of Last Data Cell)) / 2	(MAX(A3:A10) + MIN(A3:A10))/2
Mode	MODE.SNGL (Address of First Data Cell : Address of Last Data Cell)	MODE.SNGL(A3:A10)
Percentile	PERCENTILE.EXC (Data Array, kth percentile)	PERCENTILE.EXC (Data Array, 0.7) gives 70th percentile
Permutation (without replacement)	PERMUT (Total number, number chosen)	PERMUT (4,3)
Permutation (with replacement)	PERMUTATIONA (Total number, chosen)	PERMUTATIONA (4,3)
Population Mean (μ)	AVERAGE (Address of First Data Cell : Address of Last Data Cell)	Average (A3:A10)
Population Standard Deviation (σ)	STDEV.P (Address of First Data Cell : Address of Last Data Cell)	STDEV.P (A3:A10)
Population Variance (σ^2)	VAR.P (Address of First Data Cell : Address of Last Data Cell)	VAR.P(A3:A10)
Power	POWER (number to be raised, power)	POWER (2,5) gives 2 ⁵ which is 32
Quartile1	QUARTILE.EXC (Array, 1)	QUARTILE.EXC (A1:A10, 1)
Quartile2	QUARTILE.EXC (Array, 2)	QUARTILE.EXC (A1:A10, 2)
Quartile3	QUARTILE.EXC (Array, 3)	QUARTILE.EXC (A1:A10, 3)
Range	MAX (Address of First Data Cell : Address of Last Data Cell) - MIN (Address of First Data Cell : Address of Last Data Cell)	MAX (A3:A10) - MIN(A3:A10)
Sample Coefficient of Variation	100*(s / \bar{x})	100*STDEV.S (A3:A10) / AVERAGE (A3 : A10)
Sample Mean (\bar{x})	AVERAGE (Address of First Data Cell : Address of Last Data Cell)	Average (A3:A10)
Sample size	COUNT (Address of First Data Cell : Address of Last Data Cell)	COUNT (A3 : A10)
Sample Standard Deviation (s)	STDEV.S (Address of First Data Cell : Address of Last Data Cell)	STDEV.S (A3:A10)
Sample Variance (s^2)	VAR.S (Address of First Data Cell : Address of Last Data Cell)	VAR.S(A3:A10)
Square root	SQRT (number)	SQRT (9) gives 3
Sum	SUM (Address of First Data Cell : Address of Last Data Cell)	SUM (A1 : A10)