EXCEL WORKSHEET FUNCTIONS

DATA

B4=>	2.34	4.6	**<=C4**
B5=>	4.23	3.7	**<=C5**
B6=>	1.36	3.3	**<=C6**
B7=>	2.5	2	**<=C7**
B8=>	3.6	2	**<=C8**

Value	Formula in the left cell		Note
2.963	=AVERAGE(B4:C8)		Mean
2.9588	=TRIMMEAN(B4:C8,0.2)		Trimmed mean 0.2 end points trimmed
2.9	=MEDIAN(B4:C8)		Median
2	=MODE(B4:C8)		Mode
1.0736	=STDEV(B4:C8)		Standard Deviation Sample
1.0185	=STDEVP(B4:C8)		Standard Deviation Population
1.1527	=VAR(B4:C8)		Variance Sample
1.0374	=VARP(B4:C8)		Variance Population
10	=COUNT(B4:C8)		Number items in the set
4.6	=MAX(B4:C8)		Maximum
1.36	=MIN(B4:C8)		Minimum
2.085	=PERCENTILE(B4:C8,.25)		Percentile from left
2.085	=QUARTILE(B4:C8,1)		Quartile 1,2,3,4
0.0978	=SKEW(B4:C8)	Skewness	Pos=>tail to right Neg=>tail to left
-1.2595	=KURT(B4:C8)	Kurtosis	Neg=>flat Pos=>peaked
-0.1341	=COVAR(B4:B8,C4:C8)		Covariance
-0.1324	=CORREL(B4:B8,C4:C8)		Correlation coefficient
0.0175	=RSQ(C4:C8,B4:B8)		R-Squared

DISTRIBUTIONS

Value	Formula in the left cell	Note
0.3874	=HYPGEOMDIST(2,5,7,20)	(x,n,D,N)
0.0156	=BINOMDIST(4,7,.1666,FALSE)	(x,n,p,False) False - term
0.9980	=BINOMDIST(4,7,.1666,TRUE)	(x,n,p,True) True - cumulative
0.0189	=POISSON(4,10,FALSE)	(x,Lambda,False) False - term
0.0293	=POISSON(4,10,TRUE)	(x,Lambda,True) True - Cumulative
0.0266	=NORMDIST(25,18.5,4,FALSE)	(x,Mean,Std,False) False - f(x)
0.9479	=NORMDIST(25,18.5,4,TRUE)	(x,Mean,Std,True) Cumulative F(x)
17.8961	=NORMINV(.44,18.5,4)	(p,Mean,Std)
0.3446	=NORMSDIST(-.4)	(z) left tail area at z
1.1264	=NORMSINV(.87)	(p) z at left tail area p
0.0970	=TDIST(1.8,12,2)	(t,dof,2tails area in two tails outside t
0.0485	=TDIST(1.8,12,1)	(t,dof,1tail) area in right tail at t
2.2281	=TINV(0.05,10)	(p,dof) p is combined area in two tails
0.9671	=CHIDIST(3.5,10)	(x, dof) right tail area at x
8.5468	=CHIINV(0.9,15)	(p, dof) x for p = right tail area
0.0974	=FDIST(3,4,7)	(x,n1,n2) right tail area at x
3.1355	=FINV(0.05,7,10)	(p,n1,n2) x for p = right tail area