

wine data.xlsx - Microsoft Excel

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Function Library

Statistical Engineering Cube Information Compatibility

SKEW
SLOPE
SMALL
STANDARDIZE
STDEV.P
STDEV.S
STDEVA
STDEVPA
STEYX
T.DIST
T.DIST.2T
T.DIST.RT
T.INV
T.INV.2T
T.TEST
TREND
Insert Function...

Formula Auditing

	B	C	D	E	F	G
1	Glasses					
2	0					
3	3	sample size	=COUNT(B2:B21)			
4	7	sample mean	=AVERAGE(B2:B21)			
5	15	sample SD	=STDEV.S(B2:B21)			
6	2					
7	1	hypothesised value	4.3			
8	0					
9	0	standard error	=D5/SQRT(D3)			
10	10	test statistic t	=(D4-D7)/D9			
11	3	degrees of freedom	=D3-1			
12	4					
13	8	p-value (lower tail)	=T.DIST(D10,D11,TRUE)			
14	1	p-value (upper tail)	=1-D13			
15	7	p-value (2 tail)	=2*MIN(D13,D14)			
16	7					

T.DIST(x,deg_freedom,cumulative)
Returns the left-tailed Student's t-distribution.
Press F1 for more help.

Figure 8.17