

chi independence.xlsx - Microsoft Excel

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Insert Function AutoSum Recently Used Financial Logical Text Date & Time Lookup & Reference Math & Trig More Functions Name Manager Define Name Use in Formula Create from Selection Trace Precedents Trace Dependents Remove Arrows Eval

Function Library Defined Names Formula Auditing

A1 Goodness of fit test call-centre test scores

	A	B	C	D	E	F
2						
3	Test Score	Observed Frequency (p_i)	Expected frequency (e_i)	Difference	Squared Difference	Squared Difference divided by Exp. Freq. (e_i)
4	Less than 35.67	3	5	=B4-C4	=D4^2	=E4/C4
5	35.67 to 41.99	4	5	=B5-C5	=D5^2	=E5/C5
6	41.99 to 46.56	5	5	=B6-C6	=D6^2	=E6/C6
7	46.56 to 50.43	7	5	=B7-C7	=D7^2	=E7/C7
8	50.43 to 54	8	5	=B8-C8	=D8^2	=E8/C8
9	54 to 57.58	8	5	=B9-C9	=D9^2	=E9/C9
10	57.58 to 61.44	6	5	=B10-C10	=D10^2	=E10/C10
11	61.44 to 66.01	3	5	=B11-C11	=D11^2	=E11/C11
12	66.01 to 72.30	2	5	=B12-C12	=D12^2	=E12/C12
13	Over 72.3	4	5	=B13-C13	=D13^2	=E13/C13
14						=SUM(F4:F13)
15						
16	No. of categories	10			p-value	=CHISQ.DIST.RT(B18,B19)
17						
18	Test statistic	=F14				
19	Degs. Of freedom	=B16-2-1				
20						

Sheet1 Sheet2 Sheet3

Figure 9.4