
PROJECT 2 – χ^2 TEST

OVERVIEW

By May 1st, you should complete the following assignment and upload a single Word document to the D2L dropbox (not MyOpenMath).

It is perfectly ok if you work with a friend, but you and your friend must choose different survey questions.

GETTING STARTED

Download copies of **117ProjectData.xlsx** and **SurveyQuestions.pdf** from the MyOpenMath or the 117 homepage. Choose two categorical questions from SurveyQuestions.pdf (DO NOT select questions 85 or 88, which are used in the sample). Copy the response data for your questions into MiniTab. Fix any inconsistently entered data before proceeding; all responses should be lower case letters a, b, etc.

PROJECT ANALYSIS RESULTS

Name –

Question text –

1st question –

2nd question -

Contingency table –

χ^2 test p-value and conclusion (test at 5%) - The P-Value is _____ which is _____ than .05. _____ strong evidence of an association.

HELPFUL SCREENSHOTS

CF	CG	CH	CI	CJ	CK
#84	#85	#86	#87	#88	#89
18	c	0	a	b	350
25	d	2	b	b	250
40	b	1	a	b	450
21	c	5	c	c	200
30	d	1	a	a	400
25	c	1	b	a	500
30	a	3	a	b	400
40	a	0	c	c	300
67	d	7	b	a	300
25	b	0	b	b	586

	C1-T	C2-T	C3
	_85	_88	
1	c	b	
2	d	b	
3	b	b	
4	c	c	
5	d	a	
6	c	a	
7	a	b	
8	a	c	
9	d	a	

FIGURE 1 - CLICK ON THE COLUMN LABEL TO SELECT THE ENTIRE COLUMN FOR YOUR QUESTION, THEN COPY. IN MINITAB, CLICK ON THE LABEL CELL AT THE TOP OF THE COLUMN AND PASTE. THEN CLEAN UP THE DATA.

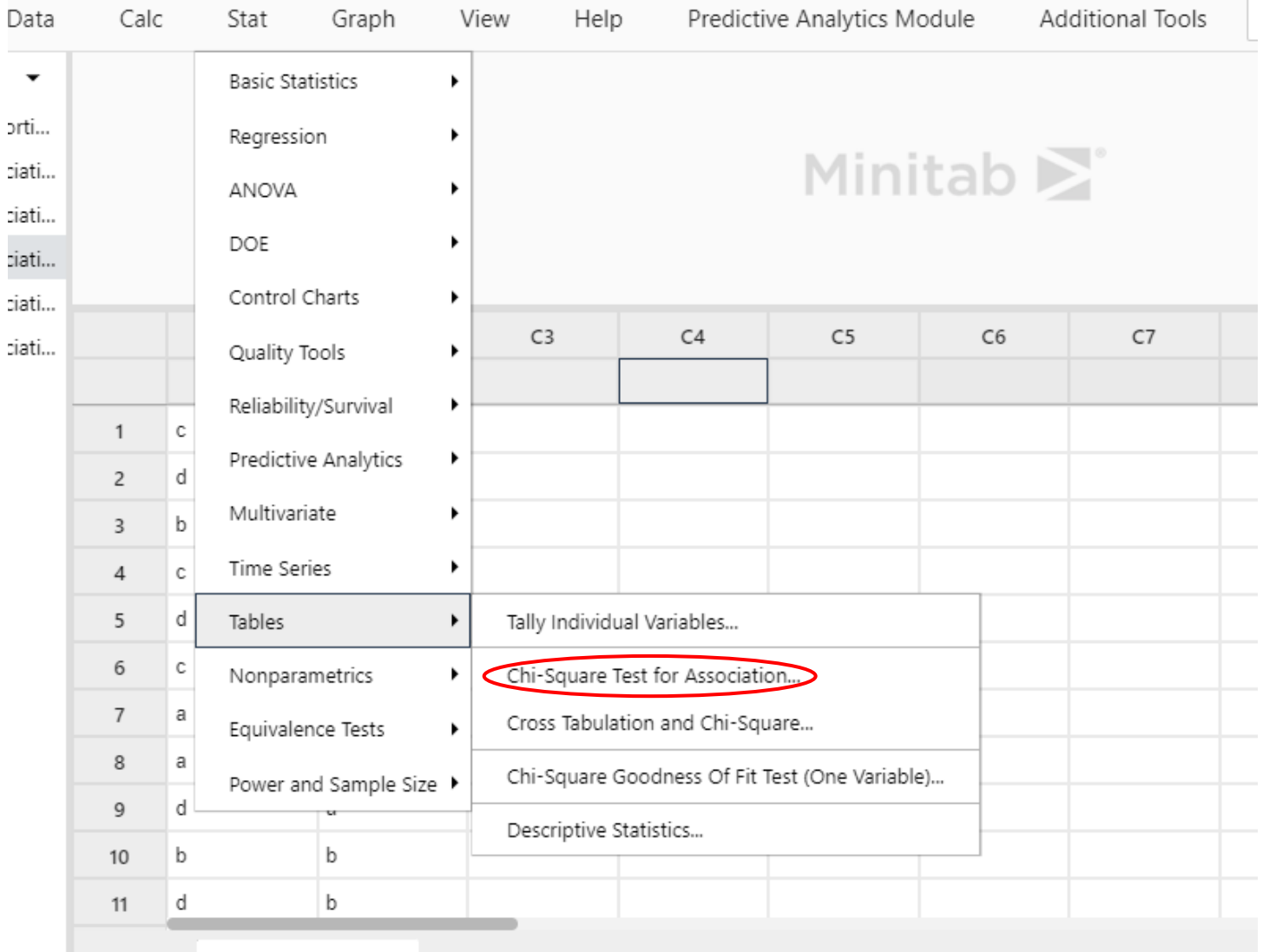


FIGURE 2 - TO MAKE THE TABLE AND χ^2 , USE STAT-TABLES-CHI-SQUARE TEST FOR ASSOCIATION

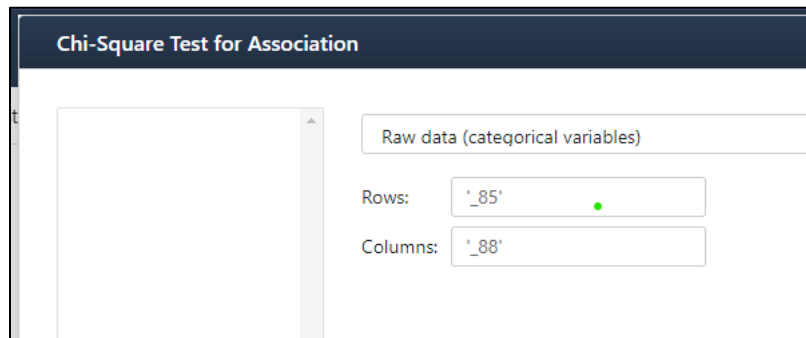


FIGURE 3 - CHOOSE "RAW DATA" AND SELECT THE COLUMNS WITH YOUR DATA, THEN HIT "OKAY".

ASSIGNMENT RUBRIC (5 POINTS TOTAL)

___/1 Question text provided

___/1 Contingency table

___/2 χ^2 test

___/1 Submitted on time