

Chi-square Tests

As part of a study, a random sample of people was obtained. The subjects were asked about their television-viewing time (per day, rounded to the nearest hour) and whether or not they are physically fit.

TV Group	Fitness	
	Physically Fit	Not Physically Fit
0	37	145
1-2	100	630
3 or More	27	261

Is there evidence to suggest that there is an association between fitness level and tv-viewing time?

Random samples of 981 adult men and 1036 adult women were obtained and respondents were asked how many alcoholic drinks they consume in a typical week.

Drinking Level	Men	Women	Total
None	140	186	326
Low (1-2 drinks/week)	478	661	1139
Moderate (3-7 drinks/week)	300	173	473
High (8+ drinks/week)	63	16	79
Total	981	1036	2017

Is there evidence to suggest that men and women are different with respect to their drinking level?