Rapport package team

Homogeneity test of factor variables

2011-04-26 20:25 CET

Contents

Description

Test of homogeneity of a given factor variable split by another factor.

Variable description

Analysing "gender" ("Gender") with *673* valid values whether frequency counts are distributed equally across different categories of "dwell" ("Dwelling").

"dwell" has *3* categories:

- city
- small town
- village

Counts

	male	female	Missing	Sum

city	338	234	27	599
small town	28	3	2	33
village	19	9	2	30
Missing	25	17	5	47
Sum	410	263	36	709

Table 1: Counted values: “dwell” and “gender”

Chi-squared test

Our null hypothetis says that the proportion of *gender* is indentical in each categories of *dwell*.

Test statistic	df	P value
16.18	6	*0.01282* *

Table 2: Pearson’s Chi-squared test: `table`

The chi-squared test returned the value of *16.18* with a degree of freedom being *6*. Based on the returned p value (*0.01282*) we could state that the null hypothesis is rejected.

This report was generated with R (3.0.1) and rapport (0.51) in *0.298* sec on x86_64-unknown-linux-gnu platform.


rapport