

Chi-squared test for given probabilities with simulated p-value (based on 2000 replicates)

data: x

X-squared = 140.37, df = NA, p-value = 0.0004998

2.00	2.00	3.00	13.00	2.00	4.00	1.00	1.00	2.00	1.00	
1.00	4.00	1.00	1.00	1.00	1.00	2.00	1.00	1.00	1.00	4.00
3.00	1.00	3.00	1.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.00	0.00	0.00				
(10.257)	( 0.819)	( 1.781)	( 2.558)	( 1.627)	( 0.937)	( 0.101)	( 0.569)	( 1.286)	( 0.165)	(
0.194)	( 1.513)	( 1.089)	( 2.298)	( 0.823)	( 0.146)	( 0.136)	( 1.900)	( 0.851)	( 0.700)	(
1.537)	( 4.197)	( 1.327)	( 1.114)	( 1.023)	( 1.528)	( 0.831)	( 0.087)	( 0.039)	( 0.929)	(
1.306)	( 0.905)	( 0.879)	( 0.631)	( 0.810)	( 0.553)	( 1.358)	( 0.757)	( 1.209)	( 1.728)	(
1.105)	( 1.092)	( 0.720)	( 0.024)	( 0.500)	( 0.659)	( 0.150)	( 0.668)	( 0.379)	( 1.205)	
[6.6e+00]	[1.7e+00]	[8.3e-01]	[4.3e+01]	[8.6e-02]	[1.0e+01]	[8.0e+00]	[3.3e-01]	[4.0e-01]		
[4.2e+00]	[3.4e+00]	[4.1e+00]	[7.3e-03]	[7.3e-01]	[3.8e-02]	[5.0e+00]	[2.5e+01]	[4.3e-01]		
[2.6e-02]	[1.3e-01]	[3.9e+00]	[3.4e-01]	[8.0e-02]	[3.2e+00]	[5.4e-04]	[1.5e-01]	[8.3e-01]		
[8.7e-02]	[3.9e-02]	[9.3e-01]	[1.3e+00]	[9.0e-01]	[8.8e-01]	[6.3e-01]	[8.1e-01]	[5.5e-01]		
[1.4e+00]	[7.6e-01]	[1.2e+00]	[1.7e+00]	[1.1e+00]	[1.1e+00]	[7.2e-01]	[2.4e-02]	[5.0e-01]		
[6.6e-01]	[1.5e-01]	[6.7e-01]	[3.8e-01]	[1.2e+00]						
<-2.578>	< 1.305>	< 0.913>	< 6.529>	< 0.293>	< 3.163>	< 2.830>	< 0.571>	< 0.630>	< 2.056>	<
1.831>	< 2.022>	<-0.085>	<-0.856>	< 0.195>	< 2.234>	< 5.048>	<-0.653>	< 0.161>	< 0.358>	<
1.986>	<-0.584>	<-0.284>	< 1.787>	<-0.023>	< 0.381>	<-0.912>	<-0.294>	<-0.197>	<-0.964>	
<-1.143>	<-0.951>	<-0.938>	<-0.795>	<-0.900>	<-0.744>	<-1.166>	<-0.870>	<-1.099>	<-1.314>	
<-1.051>	<-1.045>	<-0.848>	<-0.155>	<-0.707>	<-0.812>	<-0.388>	<-0.817>	<-0.615>	<-1.098>	

key:

observed

(expected)

[contribution to X-squared]

<Pearson residual>