

Tests of Homogeneity

March 02, 2022

1 Overview

Conduct Chi-squared tests (for binary or count variables) or Kolmogorov-Smirnov tests (for continuous variables) to test for homogeneity across two samples. The two samples are:

1. Participants who were **included** in analyses having HED as the outcome of interest
2. Participants who were **excluded** in analyses having HED as the outcome of interest

2 Results for HED as outcome of interest

Table 1: H_0 : There is no difference in the distribution of the variable of interest (Column 1) across the two samples being compared

Variable	p
sex	0.363
age	0.225
race	0.001
baseline RAPI	0.932

Table 2: Participants who reported their sex to be female vs. others

Category	Count among included	Count among excluded	Percent among included	Percent among excluded
female	685	59	59.930	55.140
others	458	48	40.070	44.860
Grand Total	1143	107	100.000	100.000

Table 3: Participants who reported their race to be white vs. others

Category	Count among included	Count among excluded	Percent among included	Percent among excluded
white	795	56	69.554	53.333
others	348	49	30.446	46.667
Grand Total	1143	105	100.000	100.000

Table 4: Frequency table for baseline RAPI (among those participants in each sample whose baseline RAPI is not missing)

Category	Count among included	Count among excluded
1	390.0	6.0
2	116.0	1.0
3	99.0	2.0
4	71.0	0.0
5	73.0	1.0
6	46.0	0.0
7	30.0	1.0
8	26.0	0.0
9	28.0	1.0
10	12.0	0.0
11	13.0	0.0
12	11.0	0.0
13	6.0	0.0
14	2.0	0.0
15	5.0	0.0
16	2.0	0.0
17	2.0	0.0
18	1.0	0.0
19	4.0	0.0
20	2.0	0.0
21	2.0	0.0
22	2.0	0.0
23	1.0	0.0
24	1.0	0.0
25	1.0	0.0
26	1.0	0.0
27	1.0	0.0
28	1.0	0.0
29	1.0	0.0
Average value of baseline RAPI	3.7	2.9