

Content Relevance Index Analysis

Standalone verified Python analysis

Test: Content Relevance Index Analysis

Design: Respondent endorsement proxy for six proposed content domains, explicitly separated from formal expert CVI.

Variables: schoolsup, famsup, paid, activities, higher, internet

Null hypothesis: The average relevance endorsement does not exceed chance-level support.

Formula: $I-CVI_i = \text{mean}(\text{relevant}_i)$; $CVR_i = 2 \cdot I-CVI_i - 1$; $S-CVI/Ave = \text{mean}(I-CVI)$.

Source rows: 649

Calculated metrics:

scale_cvi_average: 0.4874165382639959

mean_cvr: -0.025166923472008218

minimum_item_cvi: 0.060092449922958396

items_at_0_78: 1

respondents: 649

Independent reference values:

scale_cvi_average: 0.4874165382639959

mean_cvr: -0.025166923472008218

minimum_item_cvi: 0.060092449922958396

items_at_0_78: 1

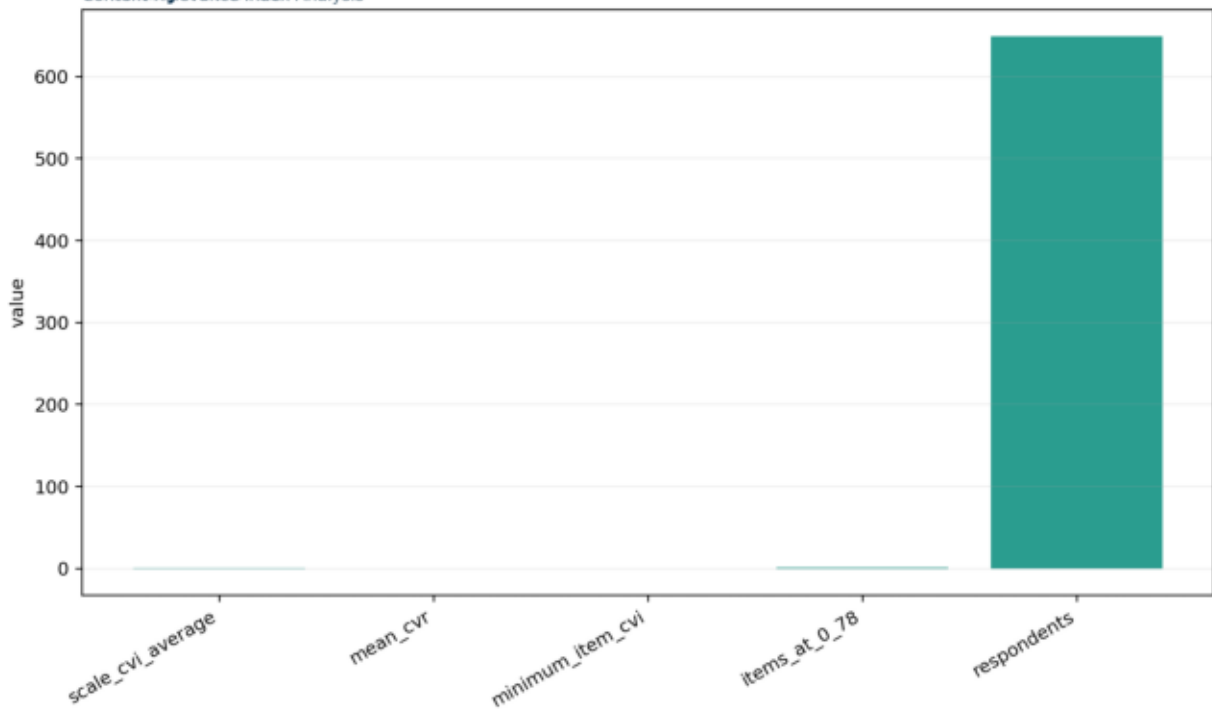
respondents: 649

Interpretation:

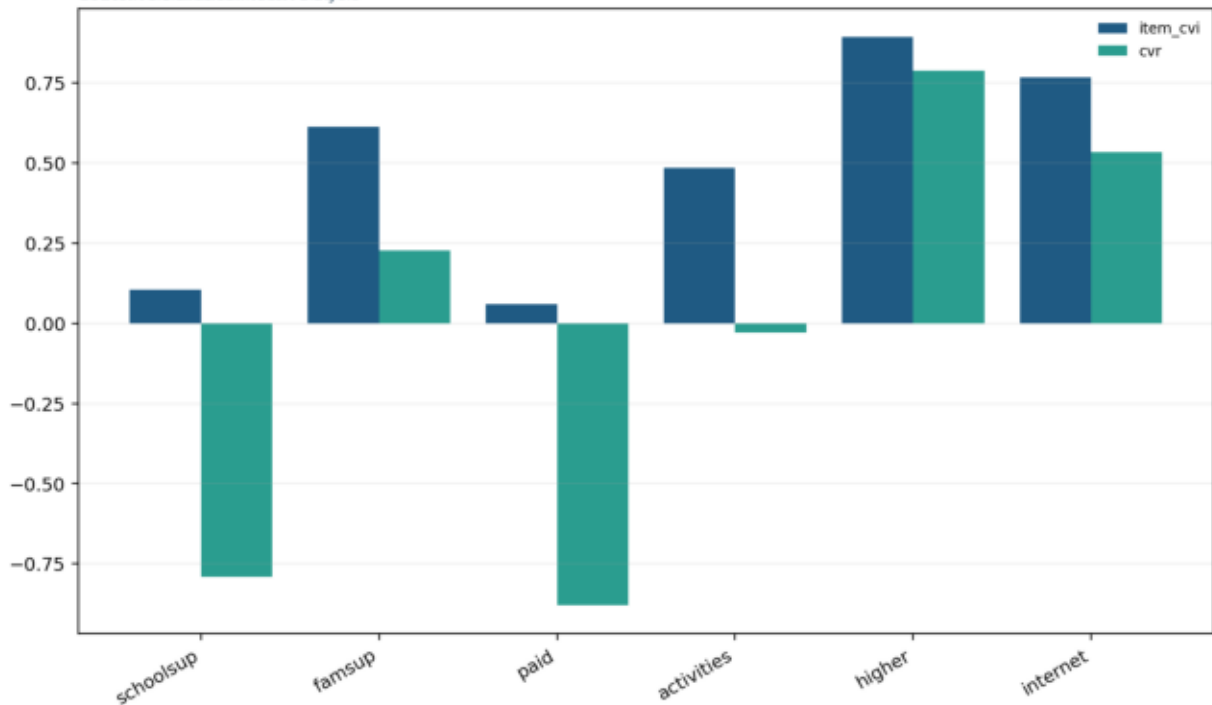
These are respondent endorsement proxies; formal CVI requires qualified expert ratings.

Scale CVI average=0.487417.

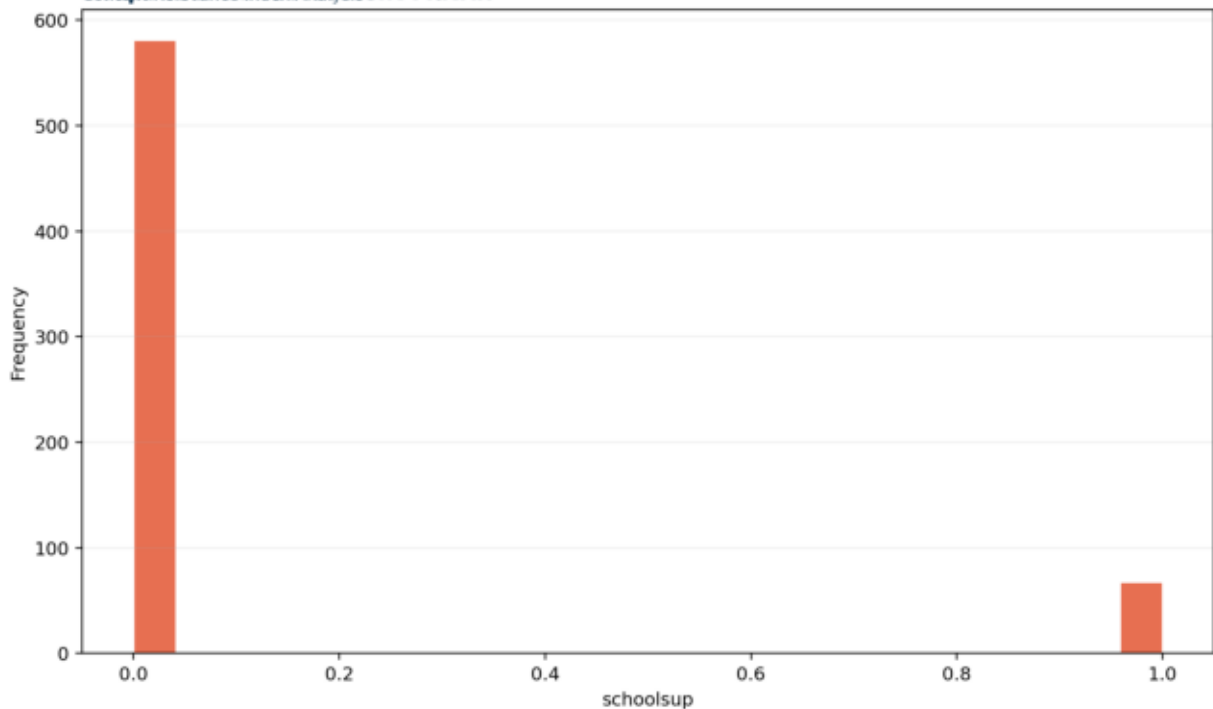
Primary Metrics



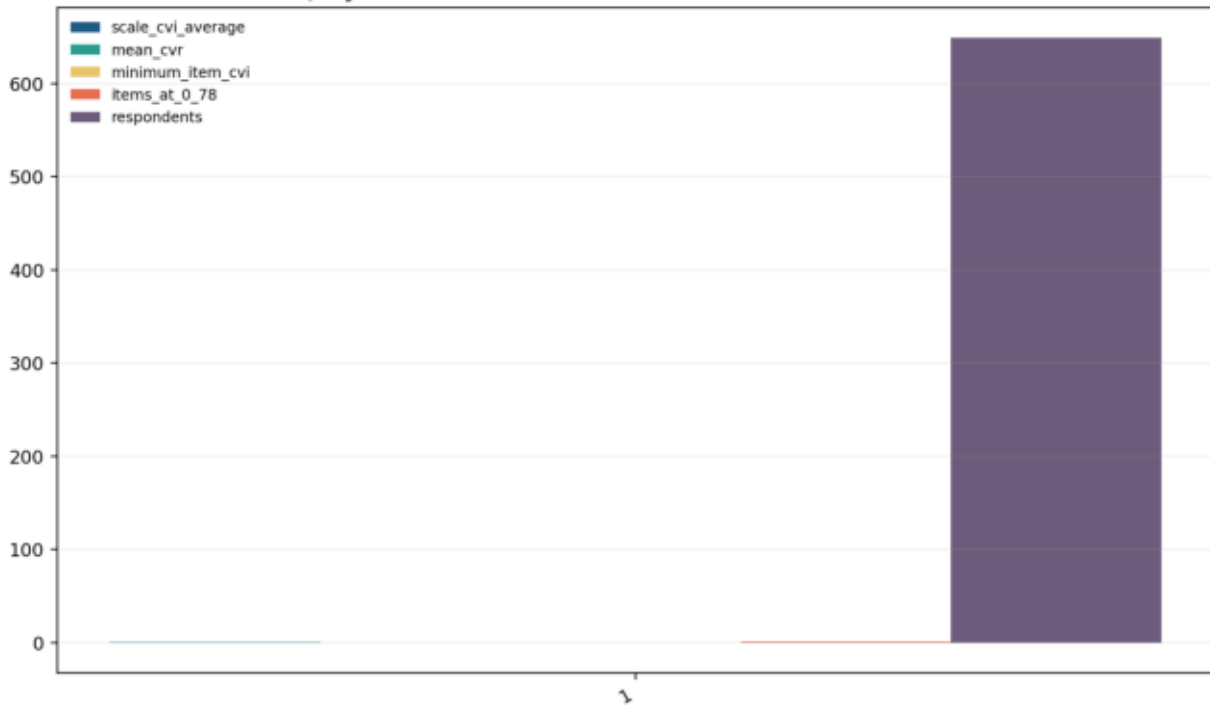
Item Content Indices



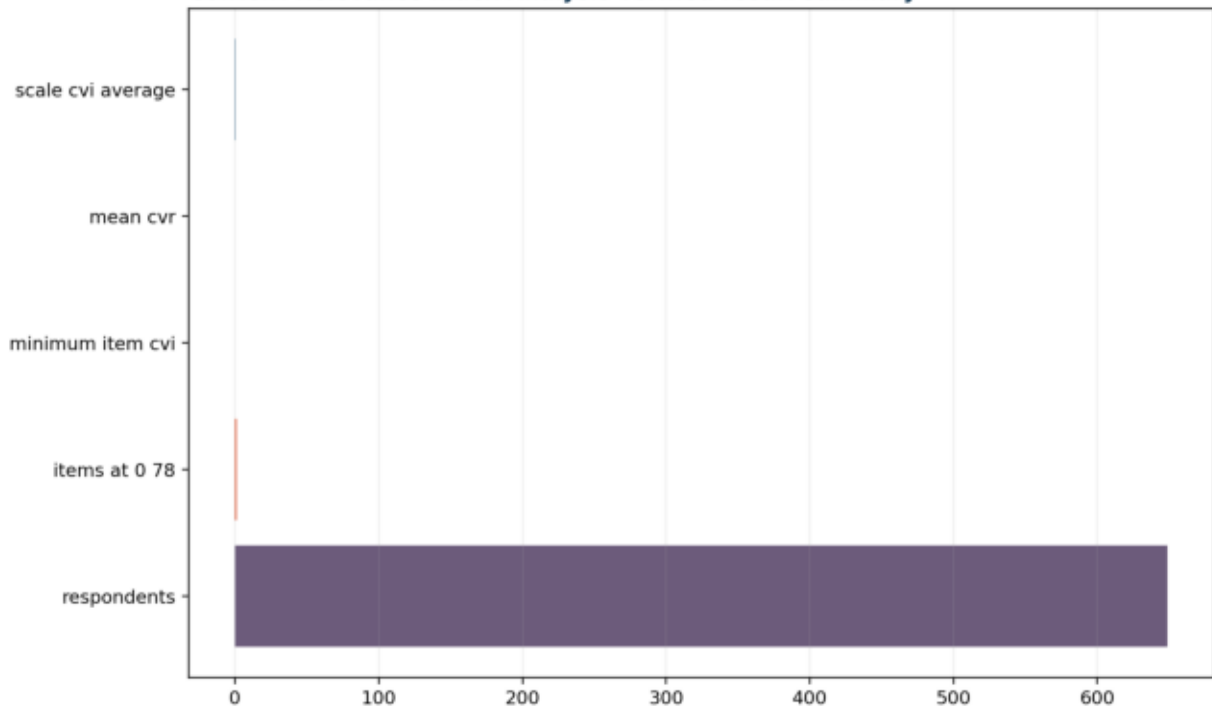
Respondent Endorsement Matrix



Content Index Summary



Content Relevance Index Analysis verified result summary



Primary Metrics

metric	value
scale_cvi_average	0.487417
mean_cvr	-0.0251669
minimum_item_cvi	0.0600924
items_at_0_78	1
respondents	649

Item Content Indices

item	item_cvi	cvr
schoolsup	0.104777	-0.790447
famsup	0.613251	0.226502
paid	0.0600924	-0.879815
activities	0.485362	-0.0292758
higher	0.893683	0.787365
internet	0.767334	0.534669

Respondent Endorsement Matrix

schoolsup	famsup	paid	activities	higher	internet
1	0	0	0	1	0
0	1	0	0	1	1
1	0	0	0	1	1
0	1	0	1	1	1
0	1	0	0	1	0
0	1	0	1	1	1
0	0	0	0	1	1
1	1	0	0	1	0
0	1	0	0	1	1
0	1	0	1	1	1
0	1	0	0	1	1
0	1	0	1	1	1
0	1	0	1	1	1
0	1	0	0	1	1
0	1	0	0	1	1
0	1	0	0	1	1
0	1	0	1	1	1
1	1	0	1	1	0
0	1	1	1	1	1
0	0	0	1	1	1
0	0	0	0	1	1
0	1	1	0	1	1
0	0	0	1	1	1
0	1	0	1	1	1
1	1	0	1	1	1
0	1	0	0	1	1

Content Index Summary

scale_cvi_average	mean_cvr	minimum_item_cvi	items_at_0_78	respondents
0.487417	-0.0251669	0.0600924	1	649