

Cross Tabulation for Survey Data

Standalone verified Python analysis

Method: Cross Tabulation for Survey Data

Method type: descriptive_tabulation

Design: Two-way school-by-enrollment-reason table with counts and conditional percentages.

Variables: school, reason

Inference scope: No hypothesis test is added; this folder is restricted to descriptive cross-tabulation.

Formula: $\text{row_pct}_{ij}=100*n_{ij}/n_{i+}$; $\text{column_pct}_{ij}=100*n_{ij}/n_{+j}$.

Source rows: 649

Calculated metrics:

rows: 2

columns: 4

grand_total: 649

largest_cell_count: 167

largest_cell_row_percent: 39.479905437352244

nonzero_cells: 8

Independent reference values:

rows: 2

columns: 4

grand_total: 649

largest_cell_count: 167

largest_cell_row_percent: 39.479905437352244

nonzero_cells: 8

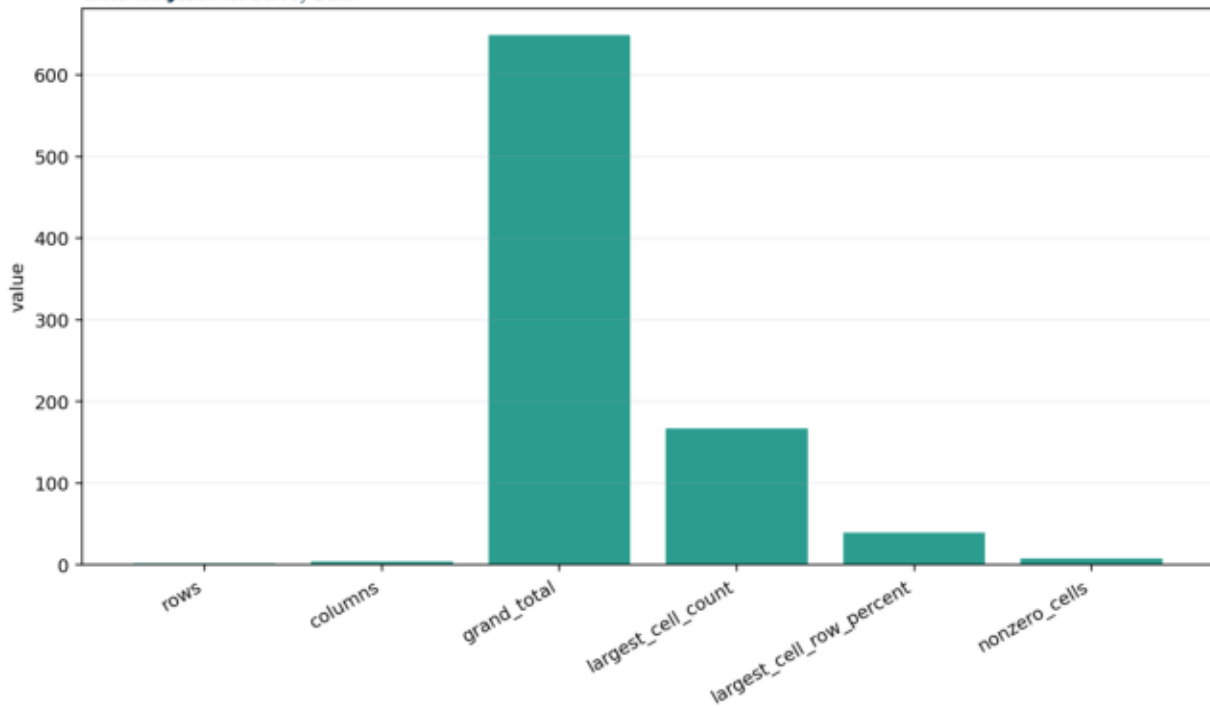
Interpretation:

This is descriptive cross-tabulation only.

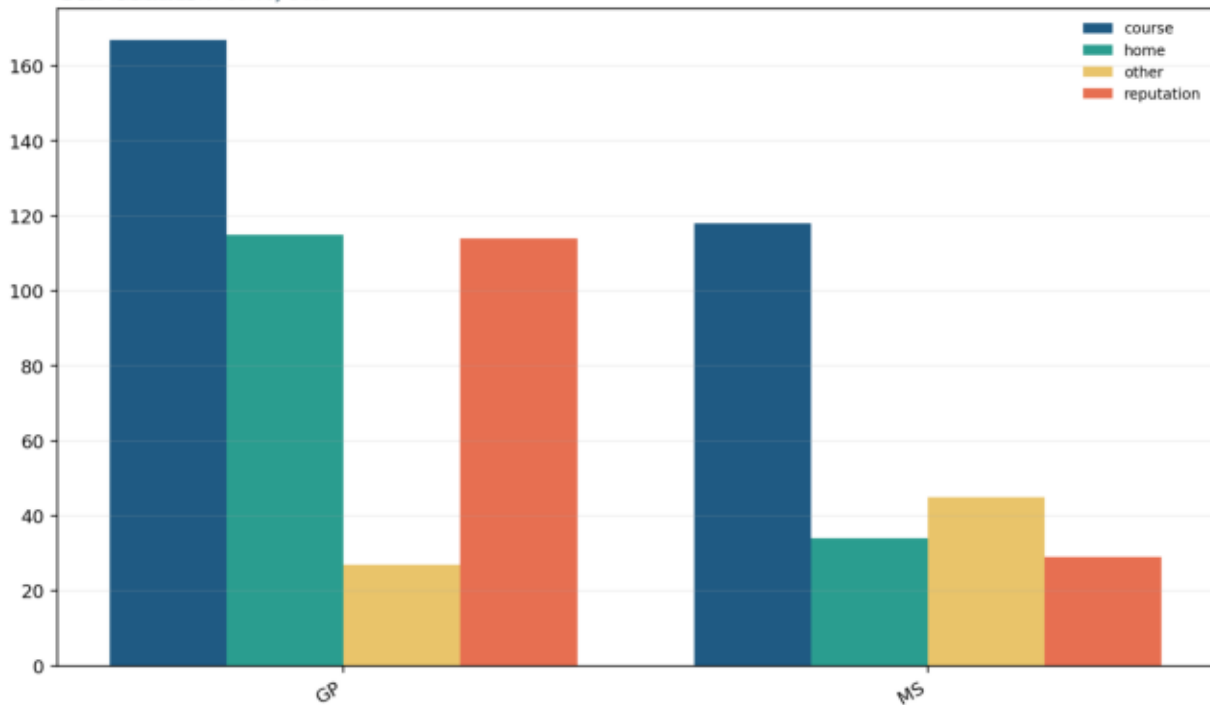
Row percentages condition on school; column percentages condition on enrollment reason.

Primary Metrics

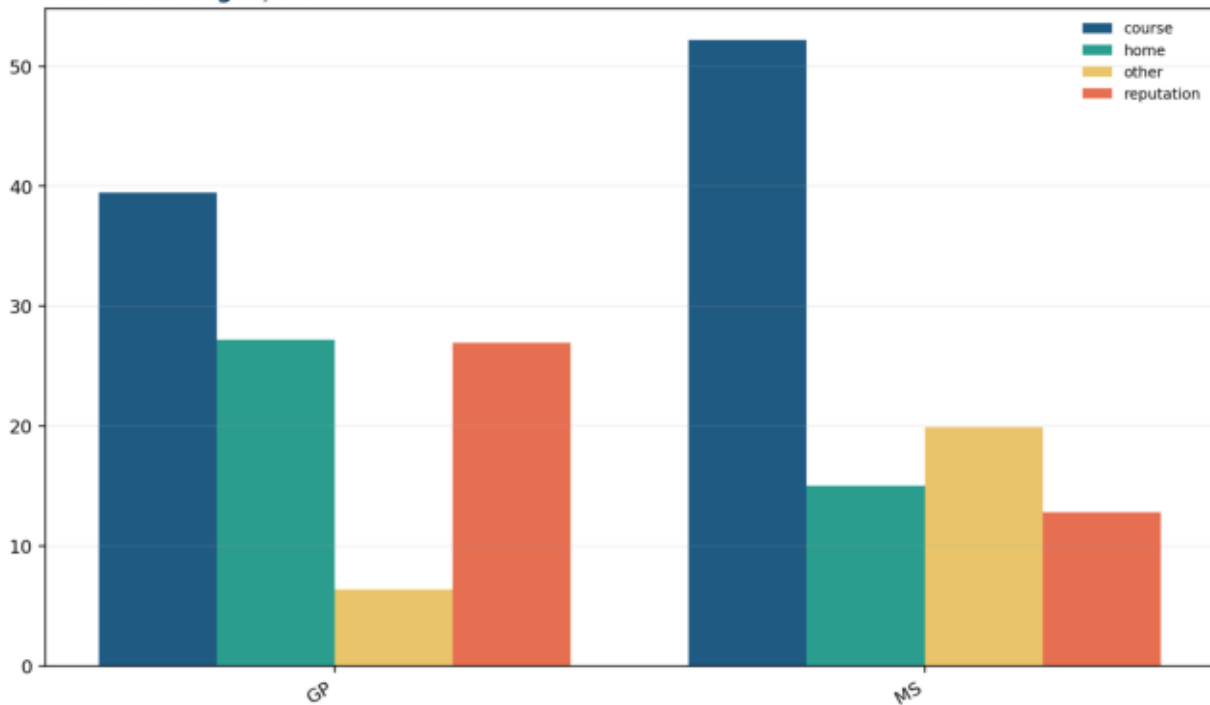
Column and Row Survey Data



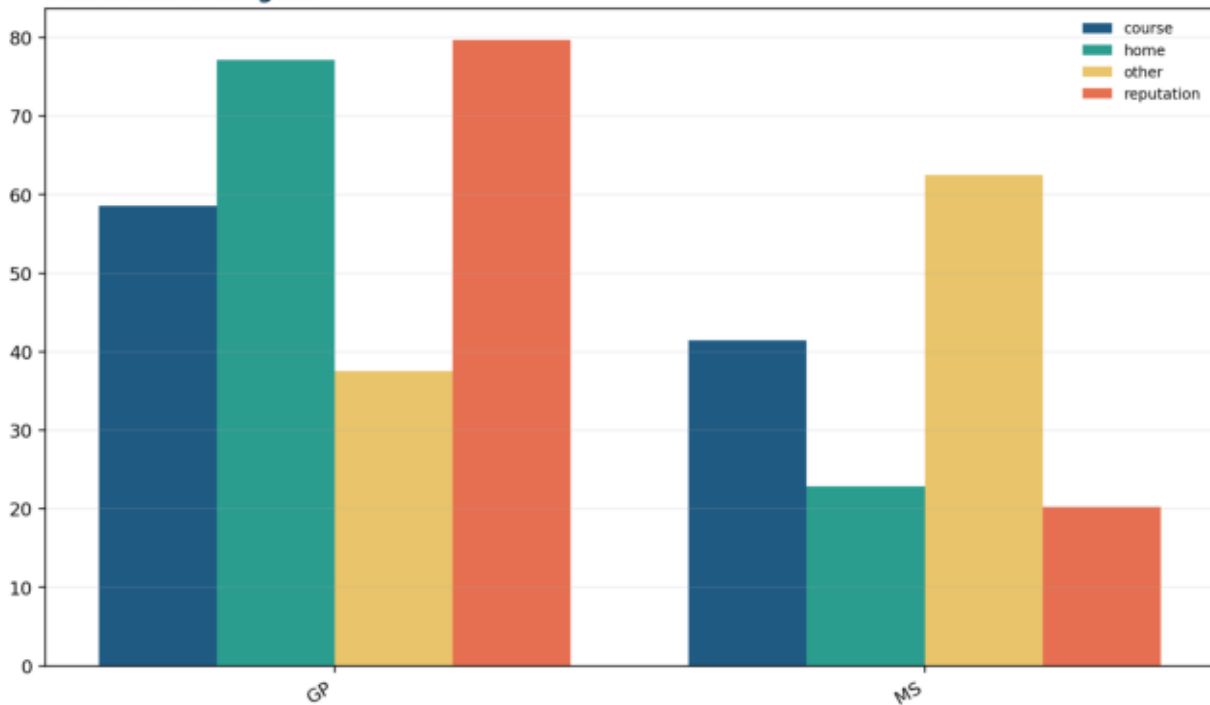
Cell Counts for Survey Data



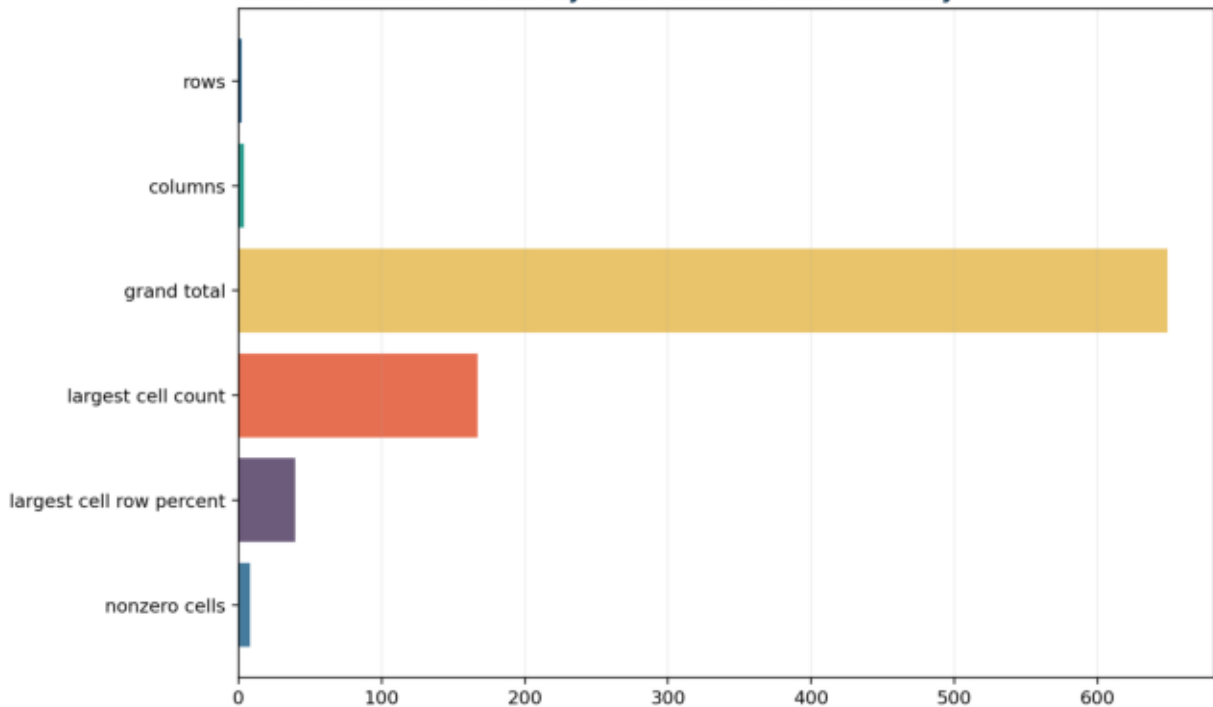
Row Percentages



Column Percentages



Cross Tabulation for Survey Data verified result summary



Primary Metrics

metric	value
rows	2
columns	4
grand_total	649
largest_cell_count	167
largest_cell_row_percent	39.4799
nonzero_cells	8

Cell Counts

school	course	home	other	reputation
GP	167	115	27	114
MS	118	34	45	29

Row Percentages

school	course	home	other	reputation
GP	39.4799	27.1868	6.38298	26.9504
MS	52.2124	15.0442	19.9115	12.8319

Column Percentages

school	course	home	other	reputation
GP	58.5965	77.1812	37.5	79.7203
MS	41.4035	22.8188	62.5	20.2797