

Survey Analysis in SPSS

Standalone verified Python analysis

Method: Survey Analysis in SPSS

Method type: software_workflow

Design: SPSS-style COMPUTE followed by SPLIT FILE descriptive summaries for school-specific scale scores and higher-education intention.

Variables: school, higher, famrel, freetime, goout, Dalc, Walc, health

Inference scope: No inferential test is required; the output is a split-file descriptive analysis with frequencies and scale summaries.

Formula: COMPUTE scale=MEAN(aligned items); SPLIT FILE BY school; higher_yes_pct=100*n_yes/n_school.

Source rows: 649

Calculated metrics:

overall_higher_yes_percent: 89.36825885978429

gp_scale_mean: 3.685579196217494

ms_scale_mean: 3.6548672566371683

gp_minus_ms_scale_mean: 0.030711939580325698

schools: 2

respondents: 649

Independent reference values:

overall_higher_yes_percent: 89.36825885978429

gp_scale_mean: 3.685579196217494

ms_scale_mean: 3.6548672566371683

gp_minus_ms_scale_mean: 0.030711939580325698

schools: 2

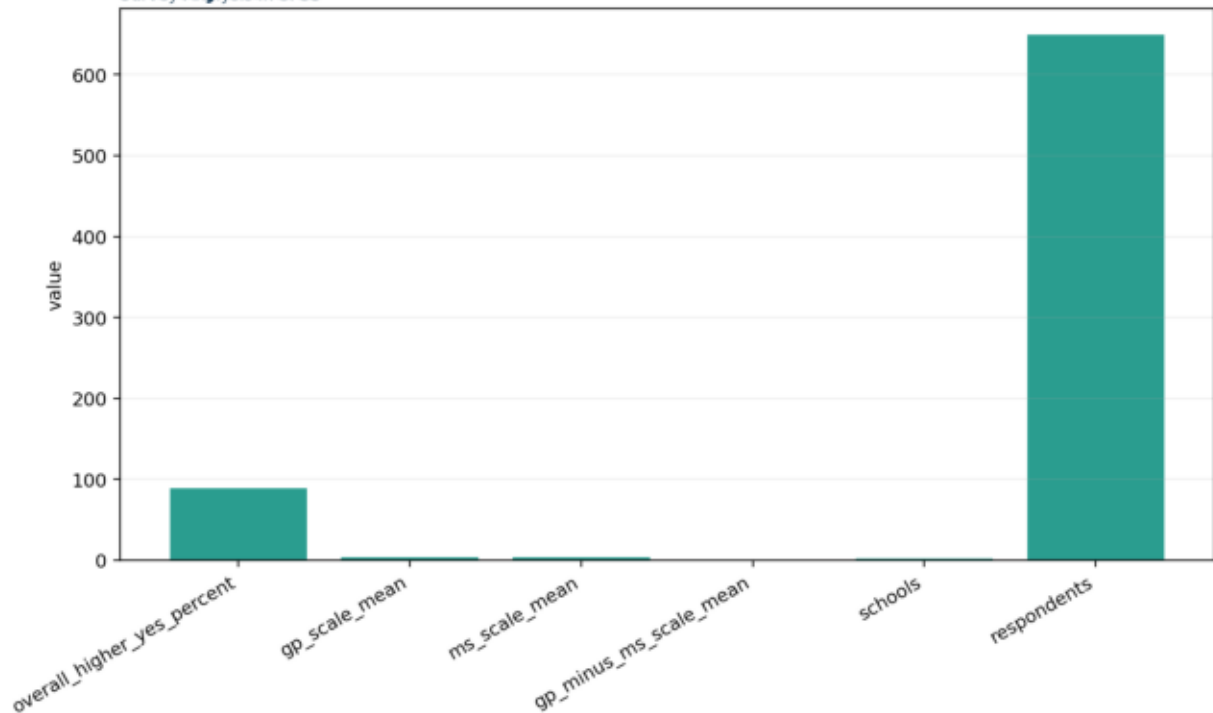
respondents: 649

Interpretation:

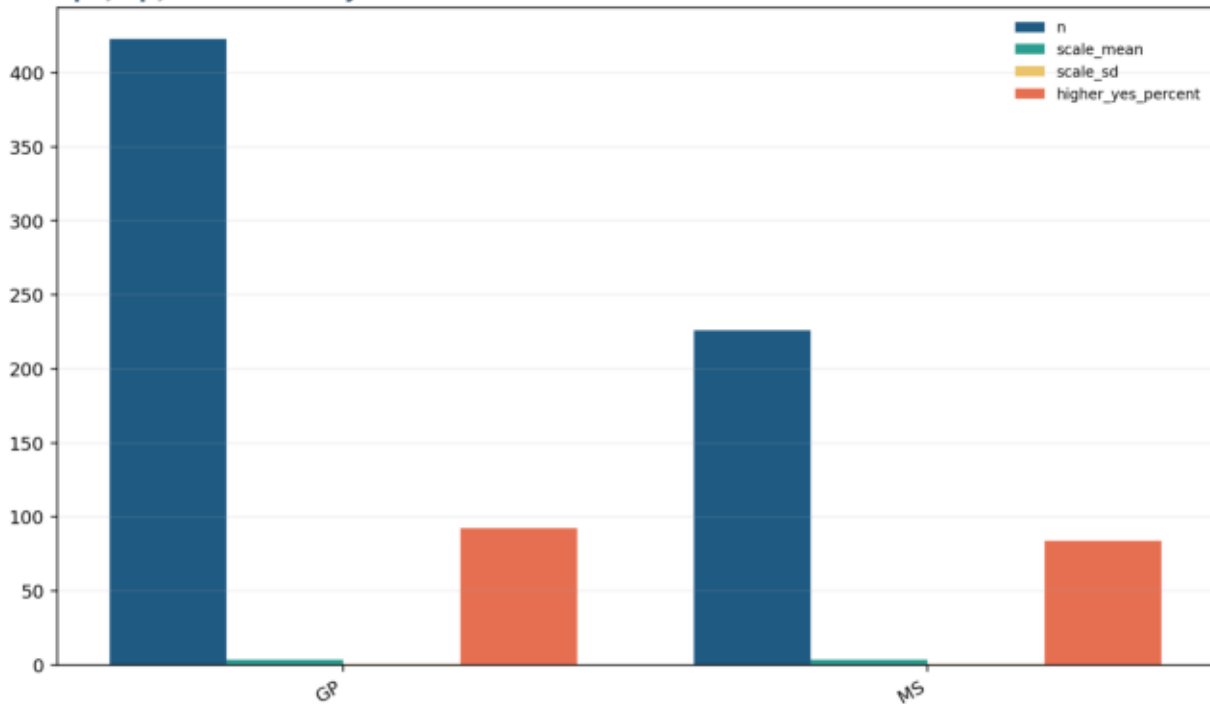
The workflow mirrors SPSS COMPUTE, SPLIT FILE, DESCRIPTIVES, and FREQUENCIES.

The descriptive GP-minus-MS scale mean is 0.030712.

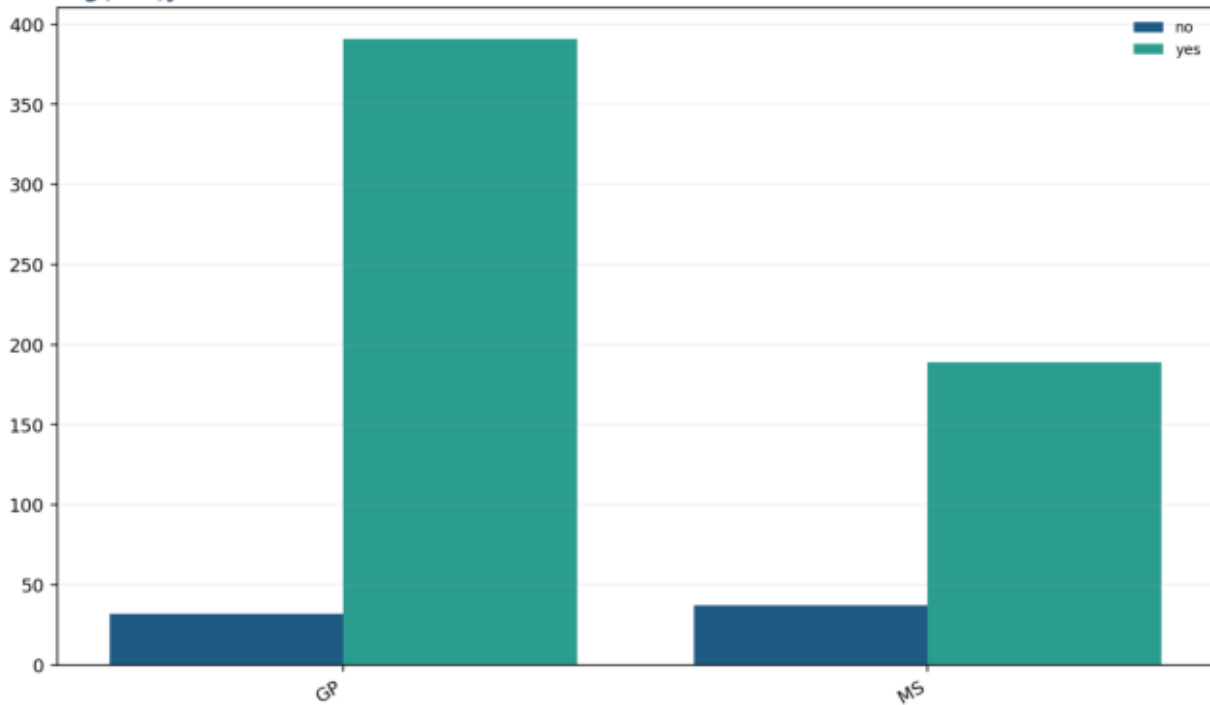
Primary Metrics



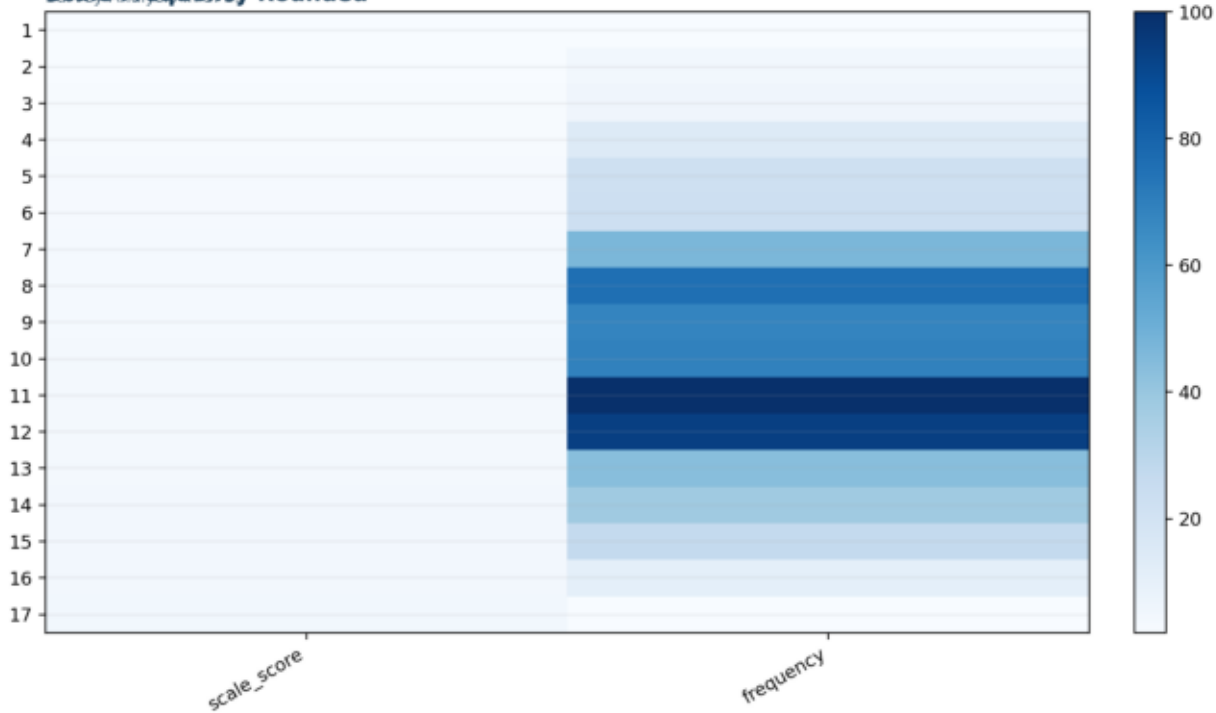
Spss Split File Summary



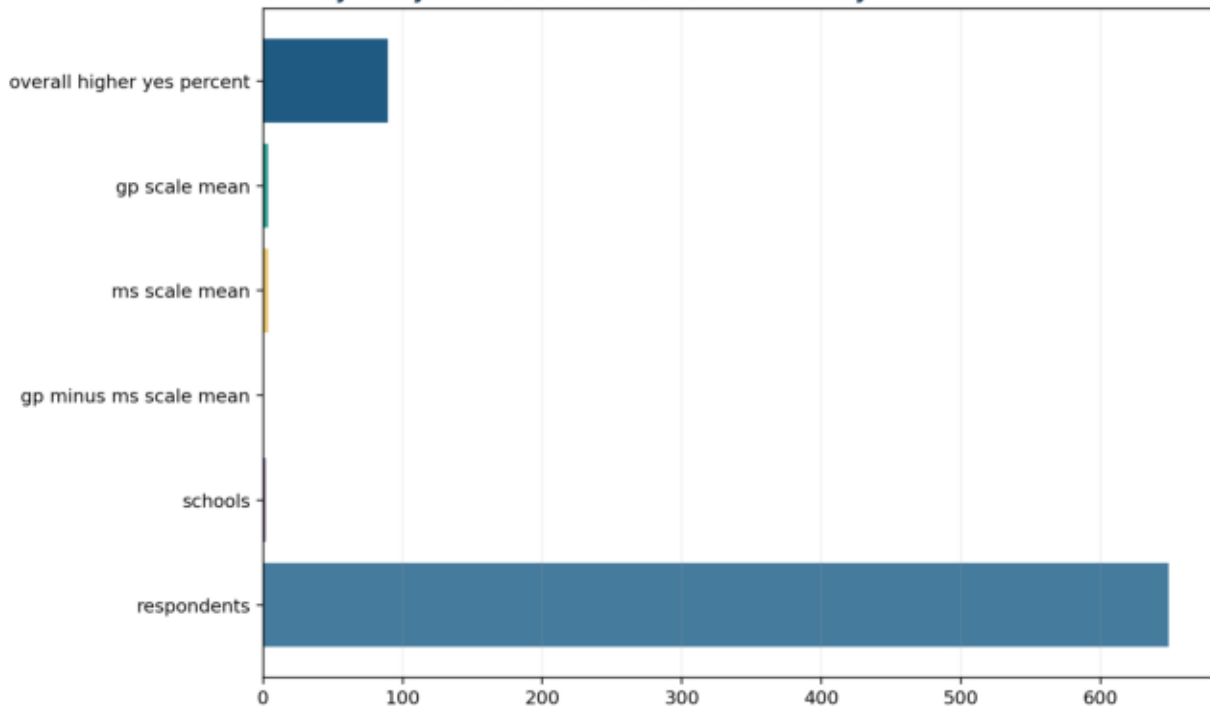
Higher By School Counts



Scale-Frequency Rounded



Survey Analysis in SPSS verified result summary



Primary Metrics

metric	value
overall_higher_yes_percent	89.3683
gp_scale_mean	3.68558
ms_scale_mean	3.65487
gp_minus_ms_scale_mean	0.0307119
schools	2
respondents	649

Spss Split File Summary

school	n	scale_mean	scale_sd	higher_yes_percent
GP	423	3.68558	0.483165	92.435
MS	226	3.65487	0.51674	83.6283

Higher By School Counts

school	no	yes
GP	32	391
MS	37	189

Scale Frequency Rounded

scale_score	frequency
2	2
2.33	5
2.5	6
2.67	15
2.83	22
3	23
3.17	47
3.33	76
3.5	68
3.67	69
3.83	100
4	94
4.17	44
4.33	38
4.5	27
4.67	11
4.83	2