

Methods

Levene's Test

Statistical method

Variable definition

Data cleaning

Hypothesis testing

$$H_0: \mu_1 - \mu_2 = 0$$

Null hypothesis: There is no difference in mean averages in 2018 and 2021.

$$H_1: \mu_1 - \mu_2 \neq 0$$

Alternate hypothesis: There is a difference in mean averages in 2018 and 2021

Findings

Findings: mental health

estimate	estimate1	estimate2	statistic	p.value	parameter	conf.low	conf.high	method	alternative
0.18	3.66	3.48	6.74	0	5115.27	0.13	0.23	Welch Two Sample t-test	two.sided

Findings: physical health

estimate	estimate1	estimate2	statistic	p.value	parameter	conf.low	conf.high	method	alternative
0.01	3.34	3.33	0.28	0.78	4822.14	-0.05	0.06	Welch Two Sample t-test	two.sided

Conclusions

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Limitations

Future implications

Possible violation of ttest assumption?

- interval level outcome
- survey methodology

Generalizability

- Overgeneralization
- Lack of qualitative methods