
Inference for Two-Way Tables

Analysis of Two-Way Tables

Sections 9.1,2

Categorical data summaries

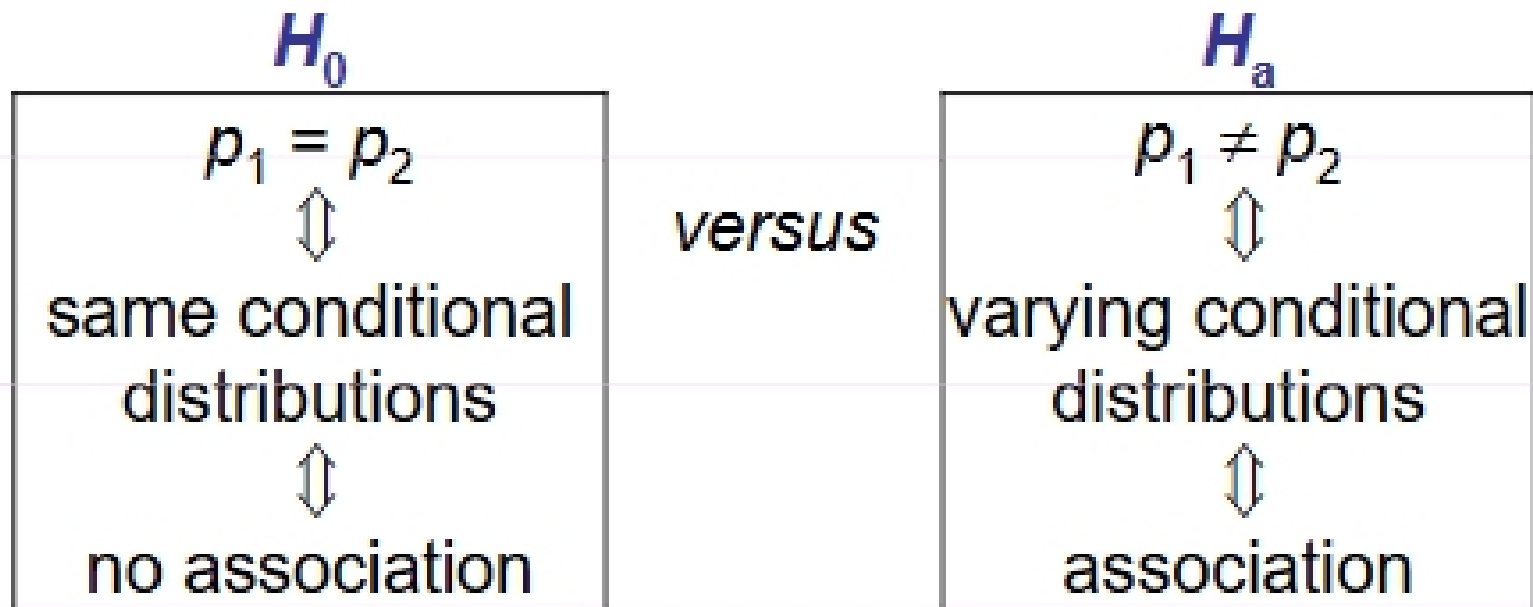
Objective: Extend two-category, two-sample analysis

Row variable	Column variable		Row totals
	Sample 1	Sample 2	
Successes	X_1	X_2	$X_1 + X_2$
Failures	$n_1 - X_1$	$n_2 - X_2$	$(n_1 + n_2) - (X_1 + X_2)$
Column totals	n_1	n_2	$n_1 + n_2$

“Tabular organization” easily generalizes to:

- Multi-category data
- Multi-sample framework

Categorical data relationships



“Tabular thinking” easily generalizes to:

- Multi-category data
- Multi-sample framework