The Value of Accepting the Null Hypothesis

Important Substantive Cases

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The Value of Accepting the Null Hypothesis (H_0)

case	description	Н0	example
Equivalence Testing	Equivalence Of 2	$\beta_1 = \beta_2$	The effect of Treatment
	Treatments Or		A is indistinguishable
	Interventions		from the effect of
			Treatment B (especially
			important if one
			treatment is much more
			expensive, or time
			consuming than
			another).
Equivalence Testing	Equivalence Of 2	$\bar{x_1} = \bar{x_2}$	Men and women are
	Groups On An		more similar than
	Outcome		different wrt
			psychological processes (Hyde).
Retiring	There Is No	$\beta_{intervention} = 0$	Evidence consistently
Interventions	Evidence That		suggests that a
	Intervention X Is		particular treatment has
	Effective		near zero effect.
Contextual	Equivalence of a	$\beta_{interaction} = 0$	Warm and supportive
Equivalence	Predictor Across		parenting is equally
	Contexts		beneficial across
	(Moderation)		different contexts or
			countries.
Full Mediation	$x \to y$ Association	$\beta_{xmy} \neq 0; \beta_{xy} = 0$	The relationship of the
	Is Completely		treatment and the
	Mediated; No		outcome is completely
	Direct Effect		mediated by mechanism
			m.
Theory	Removing An	$\beta_x = 0$	There is no evidence
Simplification	Association From		that x is associated with
	A Theory		y.