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When the Metric Breaks: Assessment Validity and the GenAI Disruption in Statistics Education

Generative AI has severed the assumed link between a completed statistical analysis and demonstrated statistical reasoning, undermining the validity of many long-standing assessment tools in introductory statistics and research methods courses. Drawing on measurement theory and two concrete departmental responses with a data-audit workflow for flagging possible AI-assisted submissions and a redesigned, process-focused assessment model. This talk reflects on what each approach preserves, what it costs instructors and students, and where the field still lacks good answers.