Noise-Induced Randomization
in Regression Discontinuity Designs

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Outline

1 Discussion

Discussion

Noise-Induced RD vs Continuity-Based RD

$$\tau_c = \lim_{z \downarrow c} \mathbb{E}\left[Y \mid Z = z\right] - \lim_{z \uparrow c} \mathbb{E}\left[Y \mid Z = z\right]$$

Literature: Concerns addressed

References I

Eckles, D., Ignatiadis, N., Wager, S., & Wu, H. (2020). Noise-induced randomization in regression discontinuity designs. *arXiv preprint arXiv:2004.09458.*

Thank you!