# Reading Group in Microeconometrics and Causal Inference

**General Description**: We plan to discuss published and recent working papers in Microeconometrics and Causal Inference, with a focus on methodological issues and technical challenges often encountered in the field. Ongoing research within our department is also welcome. Our aim is to advance our understanding of current microeconometric methodologies, all within a collaborative and informal setting.

**Timing:** Once/twice per month.

**Organizers**: Tiziano Arduini, Federico Belotti, Sara Biadetti, and Elena Dal Torrione.

**Credits:** 2 credits for both presenters and attendees.

## Main References (preliminary)

- Abadie, A., Athey, S., Imbens, G. W., & Wooldridge, J. M. (2020). Sampling-based versus design-based uncertainty in regression analysis. *Econometrica, 88*(1), 265–296.

- Aronow, P. M. & Samii, C. (2017). Estimating average causal effects under general interference, with application to a social network experiment. *Annals of Applied Statistics, 11*(4), 1912-1947.

- Hudgens, M. G., & Halloran, M. E. (2008). Toward Causal Inference With Interference. *Journal of the American Statistical Association*, *103*(482), 832–842.

- Sävje, F., Aronow, P., & Hudgens, M. (2021). Average Treatment Effects in the Presence of Unknown Interference. *Annals of statistics*, *49*(2), 673–701.

- Sävje, F. (2023). Causal inference with misspecified exposure mappings: separating definitions and assumptions, *Biometrika, forthcoming*.

- Vazquez-Bare, G. (2023). Identification and estimation of spillover effects in randomized experiments. *Journal of Econometrics, 237*(1).

- Vazquez-Bare, G. (2023). Causal Spillover Effects Using Instrumental Variables. *Journal of the American Statistical Association*, *118*(543), 1911-1922.

- Wang, Y. (2023). Causal Inference with Panel Data under Temporal and Spatial Interference. *Working Paper*.

- Wang, Y., Samii, C., Chang, H. & Aronow, P.M. (2023). Design-Based Inference for Spatial Experiments under Unknown Interference. *Working Paper*.

- Xu R. (2023). Difference-in-Differences with Interference: A Finite Population Perspective. *Working Paper*.