

ESSGN workshop
Uppsala
13-14th of February 2025

Schedule

Wednesday: (for those who arrive the day before)

- 19:00 – Food/drinks at Kaliber bar (Drottninggatan 12)

Thursday: Ostrom hall, Gamla Torget 5

- 08:50 – Meetup outside at Gamla Torget (“Old Square”), just to make sure everyone finds the correct lecture hall
- 09:00-12:00 – David Cesarini, Topics in statistical genetics for PGIs
- 12:00-13:00 – Lunch
- 13:00-16:00 – Aysu Okbay, Practical session on PGI construction
- 19:00 – Dinner (location tba)

Friday: Sal VIII, Main university building

- 08:50 – Meetup outside the main entrance of the university building
- 09:00-12:00 Pietro Biroli, Causality and gene-environment interactions
- 12:00-13:00 – Lunch
- 13:00-16:00 – Meetings (details to follow)
- 19:00 – Dinner (location tba)

Saturday: (for those who wish to stay an extra day)

- 13:00 – Guided tour at the Museum Gustavianum

Readings

Topics in statistical genetics for PGIs

Benjamin, DJ., Cesarini, D., Turley, P. and Young, AS. (2024). "Social-science genomics: progress, challenges, and future directions." NBER Working Paper 32404.

Becker, J., Burik, CAP., Goldman, G., Wang, N. ... Okbay, A. (2021). "Resource profile and user guide of the polygenic index repository." *Nature Human Behavior* 5.

Practical session on PGI construction

Lloyd-Jones, LR., Zeng, J., Sidorenko, J., Yengo, L. ... Visscher, PM. (2019). "Improved polygenic prediction by Bayesian multiple regression on summary statistics." *Nature Communications* 10.

Ni, G., Zeng, J., Revez, JA., Wang, Y. ... Wray, NR. (2021). "A comparison of ten polygenic score methods for psychiatric disorders applied across multiple cohorts." *Biol Psychiatry* 90(9).

Causality and gene-environment interactions

Athey, S. and Imbens, G. (2017). "The State of Applied Econometrics: Causality and Policy Evaluation." *Journal of Economic Perspectives*, 31 (2): 3–32.

Blundell, R. and Dias, MC. (2009). "Alternative Approaches to Evaluation in Empirical Microeconomics." *The journal of human resources*. 44.3: 565–640. DOI: 10.3368/jhr.44.3.565

Biroli, P., Galama, TJ., von Hinke, S., van Kippersluis, H., Rietveld, CA. and Thom, K. (2022). "The Economics and Econometrics of Gene-Environment Interplay." *arXiv*, <https://doi.org/10.48550/arXiv.2203.00729>.

Domingue, BW., Trejo, S., Armstrong-Carter, E. and Tucker-Drob, EM. (2020). "Interactions between polygenic scores and environments: Methodological and conceptual challenges." *Sociological Science* 7:465-486.