

Thursday 2/13

Welcome!

Announcements:

- Exercises g12 and g13 are due Friday
- Good time to start thinking about your **project**
Class web pages has a link to previous projects
Get in touch if you'd like to discuss ideas
- Upcoming Zoom talk on using AI for research:

CAPS - CPC Methodology Workshop

Anton Korinek

Professor of Economics
Darden School of Business
University of Virginia

Date: February 21, 2025

Time: 10:00 - 11:30 AM EST

Zoom: <https://syracuseuniversity.zoom.us/j/91435090827>



Generative AI for Demographic and Economic Research: LLMs Learn to Collaborate and Reason

Anton is a Professor at the University of Virginia, Department of Economics and Darden School of Business as well as a Visiting Scholar at the Brookings Institution, a Senior Researcher at the Complexity Science Hub Vienna, a Research Associate at the NBER, and a Research Fellow at the CEPR. He received his PhD from Columbia University in 2007 after several years of work experience in the IT and financial sectors. He has also worked at Johns Hopkins and at the University of Maryland and has been a visiting scholar at Harvard University, the World Bank, the IMF, the BIS and numerous central banks.

His research analyses how to prepare for a world transformative AI systems and has been featured in the New York Times, Washington Post, Wall Street Journal, The Economist, and TIME Magazine. He investigates the implications of advanced AI for economic growth, labor markets, inequality, and the future of our society. In his past research, he investigated the mechanics of financial crisis and developed policy measures to prevent future crises, including an influential framework for capital flow regulation in emerging economies. <https://www.korinek.com/>

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Tips:

- A **confidence interval (CI)** is an **interval**: [0.2, 3.2]
The bounds of the **90% CI** are the values at the **5th** and **95th** percentiles
- An **interquartile range (IQR)** is a difference:
IQR = value at the **75%** percentile - value at the **25%** percentile

- Report **ratios** as **decimal numbers**:

Example: ratio of 3.2 to 2.6 is $3.2/2.6 = \mathbf{1.23}$ NOT **3.2:2.6**.