SOCI 633–601/320–500
Demographic Methods
Spring 2023

FINAL EXAM
Due by May 09, 2023 (Tuesday) at 11:59pm
Percent of final grade: 20%

Instructor information

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Submission

This exam should be submitted through Turnitin within Canvas. Turnitin is an online database system designed to help instructors **detect plagiarism**, track citations, facilitate peer reviews, and provide paperless grading markup in written assignments. Students should develop this assignment **individually**.

Purpose

The purpose of this exam is for students to understand the research question, hypotheses, strategies, data, and methods of demographic research publications.

General information

Students should perform the following analyses about **four readings listed below (one from each section)**. Indicate the main objectives of the readings, including their research questions and hypotheses under consideration. Indicate which data sources and methods were utilized for the investigation. In terms of results, explain the effectiveness of the author(s) at presenting each of the tables and figures included in the paper. Discuss the methodological strategies implemented in the reading that you considered to be novel and interesting. If relevant, discuss portions of the reading that were unclear and did not advance the analysis. If relevant, highlight the methodological limitations identified by the author(s). If a specific reading does not contain data analysis and application of specific methods, explain the overall goal of the study and the logic utilized by the author(s) throughout their discussion.

The document should be on US Letter paper size, one-inch margins, Arial font, size 11, 1.5 line spacing, and a **maximum of 2,000 words**.

Fertility (select one of the readings in this section)

Bongaarts J., Sobotka T. 2012. “A demographic explanation for the recent rise in European fertility.” **Population and Development Review**, 38(1): 83–120.

Graham E. 2021. “Theory and explanation in demography: The case of low fertility in Europe.” **Population Studies: A Journal of Demography**, 75(1): 133–155.

Yoo S.H. 2022. “Total number of births shrinking faster than fertility rates: Fertility quantum decline and shrinking generation size in South Korea.” **Asian Population Studies**, 1–22.

Mortality (select one of the readings in this section)

Heuveline P. 2023. “Interpreting changes in life expectancy during temporary mortality shocks.” **Demographic Research**, 48(1): 1–17.

Schöley J., Aburto J.M., Kashnitsky I., Kniffka M.S., Zhang L., Jaadla H., Dowd J.B., Kashyap R. 2022. “Life expectancy changes since COVID-19.” **Nature Human Behaviour**, 6: 1649–1659.

Migration (select one of the readings in this section)

Amaral E.F.L., Rios-Neto E.L.G., Potter J.E. 2016. “The influence of internal migration on male earnings in Brazil, 1970–2000.” **Migration and Development**, 5(1): 55–78.

Bijak J. 2006. “Forecasting international migration: Selected theories, models, and methods.” **Central European Forum for Migration Research (CEFMR) Working Paper**, 4/2006: 1–56. (Only chapters 4 and 5).

Klabunde A., Willekens F. 2016. “Decision-making in agent-based models of migration: State of the art and challenges.” **European Journal of Pouplation**, 32: 73–97.

LeSage J.P., Fischer M.M. 2016. “Spatial regression-based model specifications for exogenous and endogenous spatial interaction.” In: **Spatial Econometric Interaction Modelling**, edited by R. Patuelli, and G. Arbia. New York: Springer International Publishing AG, 15–36.

Projection (select one of the readings in this section)

Azose J.J. Sevcíková H, Raftery A.E. 2016. “Probabilistic population projections with migration uncertainty.” **PNAS**, 113(23): 6460–6465.

Raftery A.E., Sevcíková H. 2023. “Probabilistic population forecasting: Short to very long-term.” **International Journal of Forecasting**, 39: 73–97.

United Nations. 2022. **Methodology of the United Nations Population Estimates and Projections**. New York: United Nations. UN DESA/POP/2022/DC/NO.6, July 2022. (Only chapter 2).