Simon Fraser University
Department of Economics
Short course in Health Economics
by
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The course will cover 4 selected selected topics in health economics. It will focus on the empirics but will covering methods, empirical applications/replication using micro data sets. Some of the applications will be replications and other will be new empirical prepared for this course.

In this course will also be using AI to text whether AI can help in replicating results from the papers covered in class. In doing so we will learn how prompt provide to the Chat GPT matters in the quality of the results we get when using AI.

Environment and Cognitive Abilities

Almond, D., Edlund, L., & Palme, M. (2009). Chernobyl's subclinical legacy: prenatal exposure to radioactive fallout and school outcomes in Sweden. *The Quarterly journal of economics*, *124*(4), 1729-1772.

Archsmith, J., Heyes, A., & Saberian, S. (2018). Air quality and error quantity: Pollution and

Wright, Nicholas A., and Ernest Dorilas. "Do cellphone bans save lives? Evidence from handheld laws on traffic fatalities." *Journal of health economics* 85 (2022): 102659.

Myers, C. and Ladd, D., 2020. Did parental involvement laws grow teeth? The effects of state restrictions on minors' access to abortion. *Journal of health economics*, *71*, p.102302.

Paton, D., Bullivant, S. and Soto, J., 2020. The impact of sex education mandates on teenage pregnancy: International evidence. *Health economics*, *29*(7), pp.790-807.

Clarke, D. and Mühlrad, H., 2021. Abortion laws and women's health. *Journal of Health Economics*, *76*, p.102413.

Empirical Approach: Causal identification framework, RCTs and Natural Experiments
Empirical Application: Replication for Texting bans and fatal accidents

Measures of health and Health inequality measurement

Madden, D., 2010. Ordinal and cardinal measures of health inequality: an empirical comparison. Health Economics, 19(2), pp.243-250.

Makdissi, P. and Yazbeck, M., 2014. Measuring socioeconomic health inequalities in presence of multiple categorical information. Journal of health economics, 34, pp.84-95.

Makdissi, P and M. Yazbeck, 2016. Avoiding Blindness to Health Status in Health Achievement and Health Inequality Measurement, Social Science and Medicine Volume 171, 39-47.

Makdissi, P., & Yazbeck, M. (2017). Robust rankings of socioeconomic health inequality using a categorical variable. Health economics, 26(9), 1132-1145.

Van Doorslaer, E. and Koolman, X., 2004. Explaining the differences in income related health inequalities across European countries. Health economics, 13(7), pp.609-628.

Van Doorslaer, E. and Jones, A.M., 2003. Inequalities in self-reported health: validation of a new approach to measurement. Journal of health economics, 22(1), pp.61-87.

Wagstaff, A., Van Doorslaer, E. and Watanabe, N., 2003. On decomposing the causes of health sector inequalities with an application to malnutrition inequalities in Vietnam. Journal of Econometrics, 112(1), pp.207-223.

Wagstaff, A., Paci, P. and Van Doorslaer, E., 1991. On the measurement of inequalities in health. Social science & medicine, 33(5), pp.545-557.

Zhang, Q. and Wang, Y., 2004. Socioeconomic inequality of obesity in the United States: do gender, age, and ethnicity matter? Social science & medicine, 58(6), pp.1171-1180.