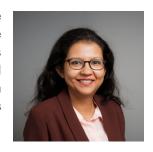## QuantLab Event on March 31, 2025:

Regression Discontinuity Design

Seminar on: Regression Discontinuity Design (RDD) is a quasi-experimental research method used to estimate causal effects when treatment assignment is based on a cutoff in a continuous variable. It operates under the key assumption that units just above and below the threshold are comparable, effectively mimicking a randomized experiment. By examining the discontinuity at the cutoff, researchers can infer the causal impact of the treatment. However, a critical challenge is ensuring that subjects cannot manipulate their position relative to the threshold (i.e., selectively entering the treatment or control group). RDD is widely applied in policy evaluation, education, and economics. In this session, I will introduce the fundamentals of the method, discuss key assumptions and validation checks, review a few classic papers, and demonstrate relevant Stata codes.

Presented by: Dr. Amrita Mitra has been a Lecturer of Marketing in the Department of Management and Marketing, University of Melbourne, since the end of 2023. Her research interests are in empirical business-to-business marketing strategy, including governance structures, alliances, and franchising. She uses econometric models to study and analyze phenomena of interest to marketers. Amrita holds a PhD in Marketing from Ivey Business School, Western University, Canada.

BYO Lunch!

When: 12-1pm
Where: Linkage, 4th floor, John Medley Building, Parkville

For updates and future QuantLab events visit our website:
https://quantilab.github.io/

If have any question, please send an email to either Irma (**irma.mooi@unimelb.edu.au**) or Seraphine (**seraphine.maerz@unimelb.edu.au**).