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ECONOMICS DEPARTMENT BROWN BAG SEMINAR

Speaker: Dr. Gour Gobinda Goswami,
Professor, Department of Economics



Title of the Presentation: A Panel Path Analysis Approach to the Determinants of COVID-19 Transmission: Does Testing Matter for Confirmed Cases (with ARM Mehrab Ali, Sharose Islam)

Profile of the speaker:

Dr. Gour Gobinda Goswami is a Professor of Economics at North South University with a wide experience of long twenty-eight years in teaching, research, consultancy and managing academic administration. Dr. Gour is an excellent researcher and has been publishing extensively in journals like Applied Economics, Japan and the World Economy, Review of Political Economy, Review of Social Economy, Economic Modeling, Emerging Markets Finance and Trade and Southern Economic Journal etc. He serves as the Article Editor and reviewer of many reputed journals like Agricultural Economics, Canadian Journal of Economics, Heliyon, The Lancet, and International Trade Journal, Bio Medical and Pharmacology Journal, Singapore Economic Review etc. He is also a member of the Editorial Board of Multidisciplinary Business Review (MBR) and Journal of Economic Info (JEI).

Besides dwelling in diverse research avenues Dr. Gour is predominantly engaged in COVID-19 and its different dimensions in our lives. His other recent interests include, Night Light; Stock Market; Happiness; Mental Health and Wellbeing; South Asia; Political Risk; Trade Flow; Rohingya Refugee Problem; Nuclear Energy; Bangladesh; Japan; China; Thailand; Belt and Road Initiative (BRI); Higher Education; Foreign Development Assistance; SAARC; ASEAN etc. Dr. Gour's recent paper titled "CAUSALITY AND DEPENDENCE OF COVID-19 VARIABLES FROM OUR WORLD IN DATA", was recently listed on SSRN's Top Ten download list for the categories: ERN: Causation in Microeconometrics (Topic), Econometric Modeling: Microeconomics eJournals and Econometric Modeling: Theoretical Issues in Microeconometrics eJournal.

Highlights of the Paper

- COVID-19 variables have both bivariate and multivariate dependence
- Only regression-based model may conceal the endogeneity of many interdependent variables in COVID-19 transmissions
- Panel Path model explains dependence and answers some conventional wisdom/puzzles
- Per capita income significantly impacts COVID-19 test capacity and Government stringency affects tests positively
- Test coverage can explain a substantial portion of transmissions supporting the more test more transmission hypothesis
- Using Panel Path Model we find that one standard deviation change in the number of test results into 0.69 to 0.70 standard deviation change in total cases per million after controlling for several variables like per capita GDP, government stringency, people aged above 65, etc. globally.

Date: 20 August 2020
Day: Thursday
Time: 1:00–2:00 PM

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