SEMINAIRE DE RECHERCHE

18-11-2021

IREGE
INSTITUT DE RECHERCHE EN GESTION ET ECONOMIE

12h30 – Salle 103 – Comodal

Participer à la réunion Zoom :
https://zoom.us/j/99328444342?pwd=eDJpTWpKT0ZHTTBzQ2xLdngydUlFUT09
ID de réunion : 993 2844 4342
Code secret : 4RxD9R

Agenda

25/11/2021, Margot DYEN (USMB, IREGE), Food well-being at the time of Covid-19: The use of coping strategies rooted in caring for low socio-economic status families

Calendrier des séminaires

https://urlz.fr/gvi5

Andrea RANGEL GUEVARA (USMB, IREGE)

Building multidimensional indicators of transport poverty: application to Germany

Transport poverty is a multi-dimensional phenomenon. However, there is no consensus regarding global measures to quantify it. Based on the OECD Handbook on Constructing Composite Indicators (OECD and European Commis- sion, 2008), I propose the use of principal component analysis (PCA) to identify four main sub-indicators of transport poverty: spatial matching and cost; travel behavior; driving restrictions and; income and choice of location. In a second step, the use of a latent class model (LCM) allows to define classes of transport poverty based on the sub-indicators from PCA. The methodology is applied to the German Mobility Panel Survey (MOP) from 2004 to 2019. Two and three latent class, constrained and unconstrained models are tested. The preferred model, as given by the AIC and BIC criteria, is the constrained three-class model. Results from the constrained three -class latent model suggest that 24% of the population is transport-poor, 47% is constrained by income and car use, and an additional 29% is constrained only by location.

Keywords: transport poverty, Energy Economics, Fuel Poverty