



Pierre QUEDRAOGO (USMB, IREGE)

Does repairability affect electronic products prices ?

A case study for washing machines

The French government has introduced a repairability index for electrical and electronic products in 2021 to tackle programmed obsolescence. The index aims to inform consumers about their ability to extend the use time and life span of the products concerned. To estimate consumers' willingness to pay for repairability, this study investigates the impact of the repairability index on the price of washing machines. Using Hedonic Pricing Modeling and causal inference (Instrumental Variables and Regression Discontinuity Design), our findings show that the repairability index positively affects the washing machine price. The causal impact estimated using the instrumental variables is 3.1% of price. The average treatment of repairability provided by regression discontinuity design is 2.2% of price.

Keywords: Hedonic Pricing Modelling; Discontinuity Regression Design; Instrumental Variables; Repairability Index; Willingness-To-Pay

Co author: Florian FIZAINÉ (USMB, IREGE)

➤ 12h30 – Salle 103 / Comodal

➤ Participer à la réunion Zoom

<https://zoom.us/j/99935051449>

ID de réunion : 999 3505 1449

➤ Calendrier des séminaires

<https://urlz.fr/nv08>

