Anne Berner

Anne Berner is a research assistant and PhD student at the department of statistics at the University of Göttingen. Her research focuses on rebound effects, energy efficiency as well as the relationship between economic growth and environmental consumption. In the project that is supported by the CIDAS she will work towards an understanding the strength and influencing factors of the interdependence between digitalization and emissions in the German industry.

Proejct description

Multiple proposed political pathways towards a sustainable industry see digitalization as a key ingredient to lower environmental impact. However, this optimistic narrative doesn't uphold in general and likely adverse effects, as the emissions due to higher levels of production, use and disposal of ICTs, are often overseen. Therefore, we investigate the various conditions and drivers that lead to a synergetic scenario between low emissions and a high degree of digitalization. Thereby, we are in particular interested in the strength and direction of the dependence which might be of more importance than than the direction of the relationship. To this end we apply regression models beyond the mean on an unbalanced panel dataset, containing official firm level data on the entire manufacturing industry in Germany.