

Stanford



Xavier Warnes

Postdoctoral Scholar, Business

Bio

BIO

I am a Postdoctoral Scholar affiliated with both the Stanford Woods Institute for the Environment and the Stanford Graduate School of Business, where I work with Dan Iancu and Erica Plambeck. I completed my Ph.D. in 2021 at the Stanford Graduate School of Business (OIT-group), advised by Dan Iancu and Yonatan Gur. My research combines theoretical modeling and data-driven optimization to solve problems on sustainability and fairness. In particular, my current work focuses on designing fair and efficient mechanisms for reducing tropical deforestation and increasing farmer welfare in agricultural supply chains.

STANFORD ADVISORS

- Erica Plambeck, Postdoctoral Faculty Sponsor
- Dan Iancu, Postdoctoral Research Mentor

LINKS

- Personal Site: <https://xavierwarnes.com/>
- Google Scholar: <https://scholar.google.com/citations?hl=en&user=qBvyjGMAAAAJ>

Publications

PUBLICATIONS

- **Value Loss in Allocation Systems with Provider Guarantees** *MANAGEMENT SCIENCE*
Gur, Y., Iancu, D., Warnes, X.
2021; 67 (6): 3757-3784
- **Neighborhood covering and independence on P4-tidy graphs and tree-cographs** *ANNALS OF OPERATIONS RESEARCH*
Duran, G., Safe, M., Warnes, X.
2020; 286 (1-2): 55–86