

Faculti Summary

<https://faculti.net/xtevent-estimation-and-visualization-in-the-linear-panel-event-study-design/>

This video discusses the XD events data package and its contributions to estimating linear panel models and visualizing results in event studies. The package allows researchers to estimate the dynamic effects of policies on outcomes using panel datasets, exemplified by examining the effect of minimum wage changes on employment. It employs various estimators, including two-way fixed effects and other advanced methods, catering to different research contexts.

Additionally, the package enhances visualization through improved event study plots, incorporating normalization techniques for better interpretation, and confidence bands for hypothesis testing over the coefficient path. It also includes diagnostics to assess pre-trend assumptions and estimation window adequacy. The overall aim is to provide a versatile and informative tool for researchers in econometrics, facilitating both estimation and visualization of dynamic treatment effects in policy analyses.