

Effective Programming Practices for Economists

Plotting

Why plotly? And some prerequisites.

Janoś Gabler and Hans-Martin von Gaudecker

Python plotting landscape

Static plots:

- matplotlib
- seaborn

Interactive plots:

- vega-altair
- bokeh
- plotly

Why we use plotly

- Interactive plots work out of the box
- Supports all relevant output formats:
 - Interactive dashboards
 - HTML
 - static image formats
- Also available in R and Julia

Supporting static and interactive plots

- Interactive plots typically based on JavaScript
- Rely on browser functionality for static exports
- Kaleido tries to get rid of that (background)
- Unfortunately, development stopped in a state that is broken on Windows

Windows workaround

- Comment by former plotly employee:

We do have this unfortunate situation where some (mostly Windows?) users have hanging calls which no one has gotten to the bottom of just yet, though. I don't know that anyone is actively working on that issue, given the complexity of building the project, but it seems to impact only a small minority of users.

- Feel free to add your experience to this issue
- Install an old version of kaleido via pip:

```
$ pixi add --pypi kaleido==0.1.0.post1
```