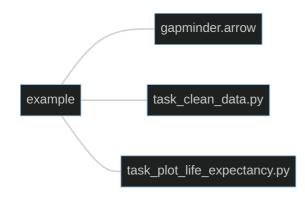
Effective Programming Practices for Economists

Reproducible Research

What does pytask do?

Janoś Gabler and Hans-Martin von Gaudecker

A tiny example project



- example/task_clean_data.py
 - Contains the function task_clean_data
 - If called, the function reads in example/gapminder.arrow and produces example/bld/data.pkl
- example/task_plot_life_expectancy.py
 - Contains the function task_plot_life_expectancy
 - If called, the function reads in example/bld/data.pkl and produces example/bld/life_expectancy.svg

Step 3: Track changes and execute

- Pytask knows which files should need to be generated
- Also keeps track on when code or products have changed
- Functions are only run if:
 - They have changed
 - A dependency has changed
- Huge time savings in large empirical projects!