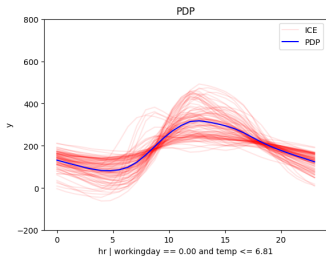


Interpretable Machine Learning

Feature effects: Further Resources and Software



Learning goals

- Learn about further resources
- Get an overview of software packages in R and Python

RESOURCES AND SOFTWARE:



Individual Conditional Expectation (ICE)

- The paper: [Goldstein et al. 2015](#)
- Chapter in Interpretable Machine Learning book: [Molnar 2025](#)
- R packages: [iml](#); [pdp](#); [ICEbox](#)
- Python packages: [PiML](#); [sklearn](#)

Partial Dependence (PD) plot

- Chapter in Interpretable Machine Learning book: [Molnar 2025](#)
- R packages: [iml](#); [pdp](#); [DALEX](#)
- Python packages: [sklearn](#); [effector](#); [PDPbox](#)

Accumulated Local Effect (ALE)

- The paper: [Apley et al. 2020](#)
- Chapter in Interpretable Machine Learning book: [Molnar 2025](#)
- R packages: [ALEPlot](#); [iml](#)
- Python packages: [effector](#); [PiML](#); [ALEPython](#); [Alibi](#)

Regional effect plots (REPID)

- The paper: [Herbinger et al. \(2022\)](#)
- Codebase: [repid](#)