

Learning Counterfactual Representations for Estimating Individual Dose-Response Curves

Patrick Schwab¹, Lorenz Linhardt², Stefan Bauer³, Joachim M. Buhmann² and Walter Karlen¹

¹ Institute of Robotics and Intelligent Systems, ETH Zurich, Switzerland

² Department of Computer Science, ETH Zurich, Switzerland

³ MPI for Intelligent Systems, Tübingen, Germany



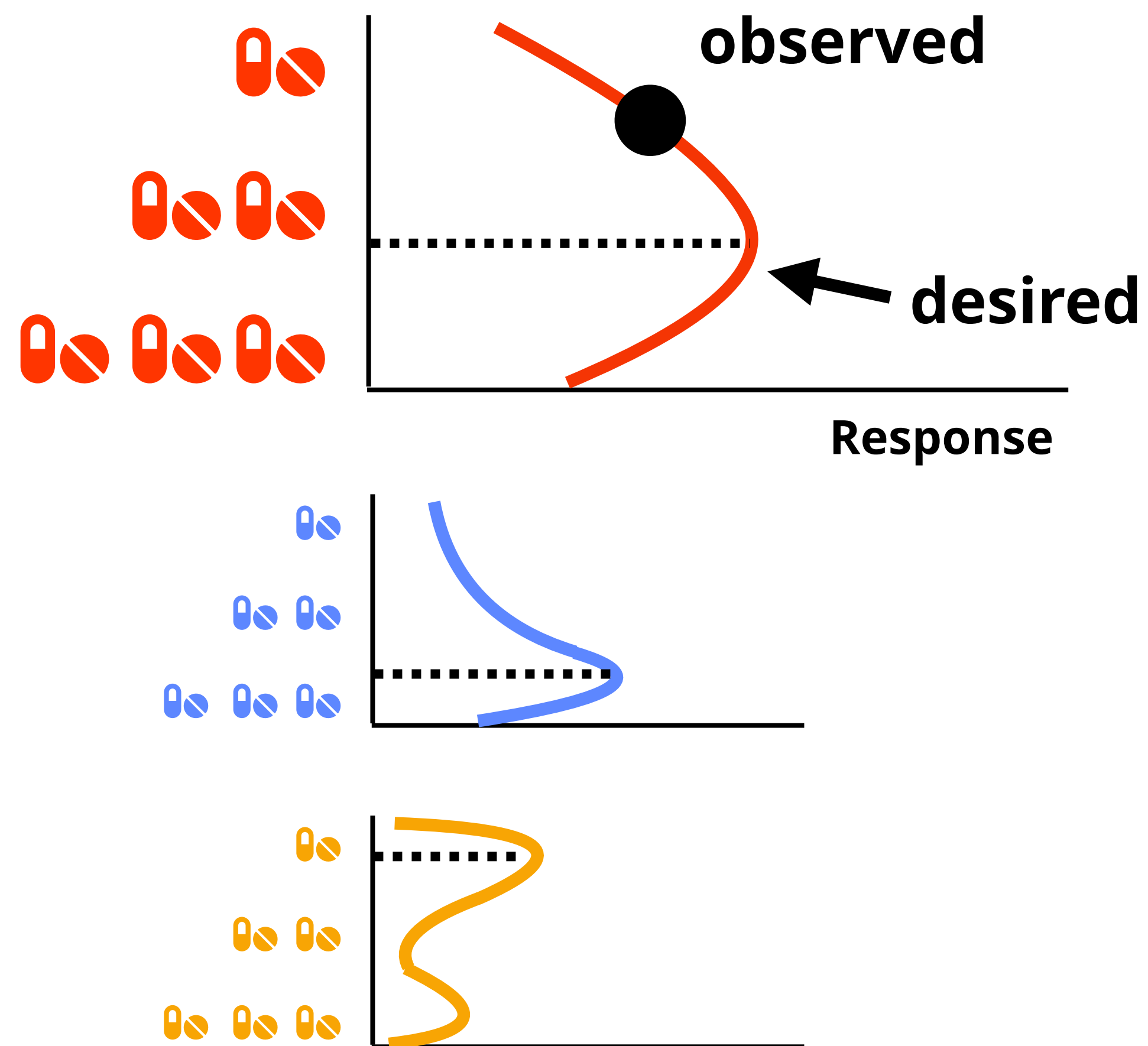
Treatment


Treatment #1

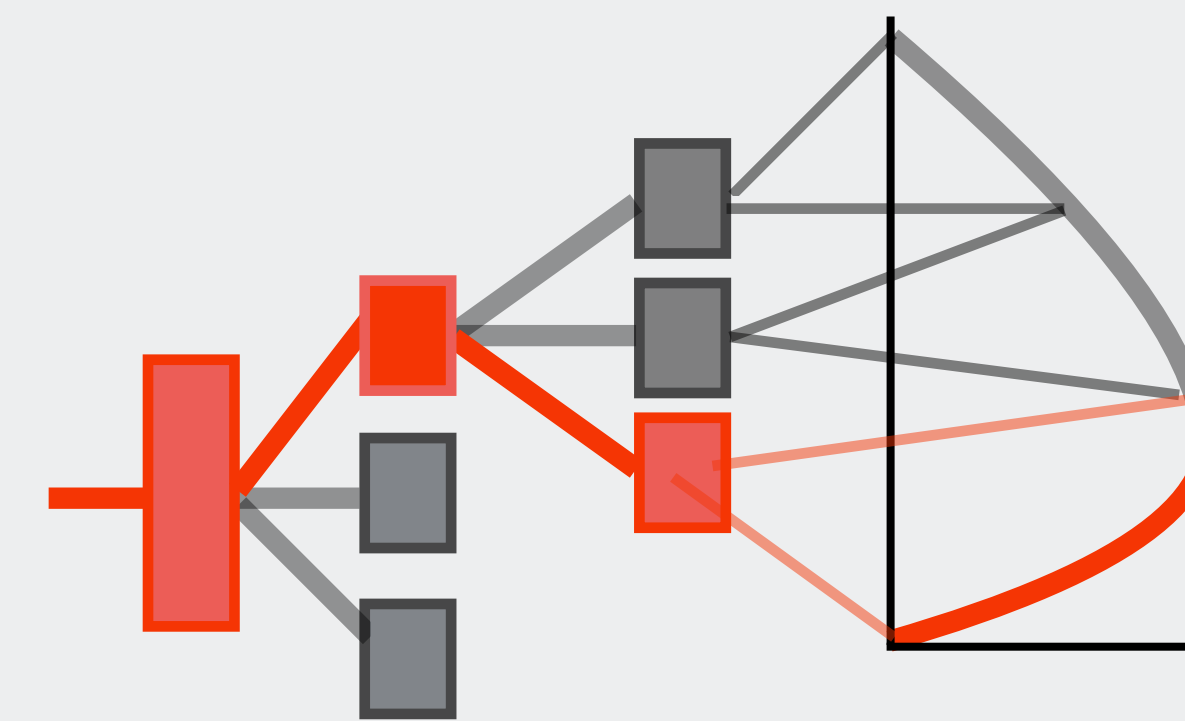

Treatment #2


Treatment #3

Individual Dose-Response



Model



conditional computation with
Dose-response Networks

+ Metrics

+ Benchmarks

+ Model selection