Prediction or Inference?

Prediction

ullet We are only interested making an accurate prediction of y given x

Examples: predicting disease risk, detecting disease, predicting survival

• In this case, the prediction function f(x) can be treated as a "black box"

Example methods:

KNN

random forests

SVMs

smoothing splines

Gaussian processes

neural networks

...generally speaking, flexible/nonparametric methods

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