

# WHY INTERPRETABILITY?

- ML: huge potential to aid decision-making process due to its predictive performance
  - ML models are black boxes, e.g., XGBoost, RBF SVM or DNNs  
~> too complex to be understood by humans
  - Some applications are "learn to understand"
  - When deploying ML models, lack of explanations
    - ❶ hurts trust
    - ❷ creates barriers
- ~> Many disciplines with required trust rely on traditional models, e.g., linear models, with less predictive performance

