Regression, Time Series Analysis
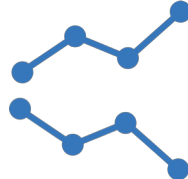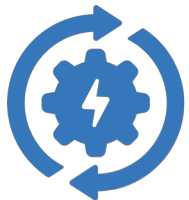
- Prediction
  - How will the system evolve in the near future?
- Risk assessment:
  - What is the risk of X?

Model Comparison, Design of Experiments

- Conditional forecasting
  - How will the system respond if X changes?
- Counterfactual analysis
  - What would have happened if X had been Y?
- Comparative impact
  - What is the difference in utility between strategy X and strategy Y?

Stochastic Optimization, Bayesian Inference

- Optimal planning:
  - What is the optimal amount of X to introduce to maximize utility Y?

- Risk assessment:
  - What is the risk of X?
- Outcome avoidance:
  - What is the optimal action or intervention to reduce the risk of X decreasing more than Y?