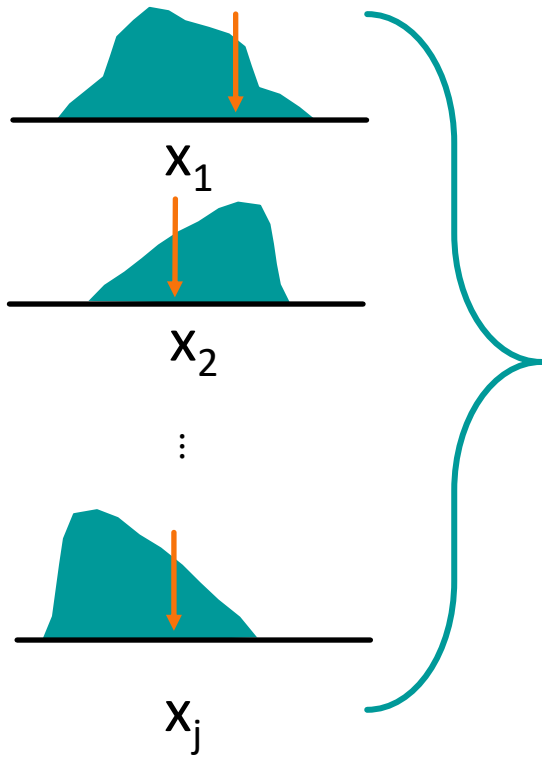


Probabilistic Sensitivity Analysis (PSA)

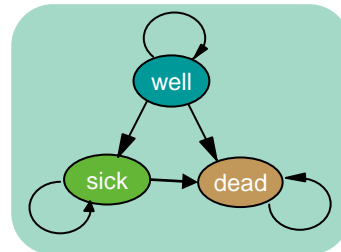
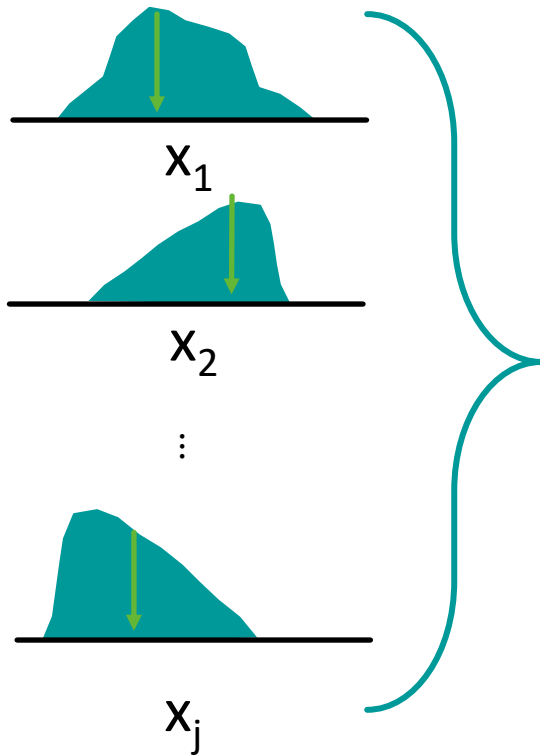
Sensitivity Analysis

- Vary input parameters within plausible ranges
- For which values is each strategy optimal?
- Deterministic sensitivity analysis (DSA)
 - One-way analysis: vary one parameter, hold rest fixed
 - Two-way analysis: vary two parameters, hold rest fixed
- **Probabilistic sensitivity analysis (PSA)**
 - Simultaneously vary input parameters by randomly sampling from appropriate probability distributions
 - How often is each alternative cost-effective?
 - What strategy has the highest expected net benefit?

Input

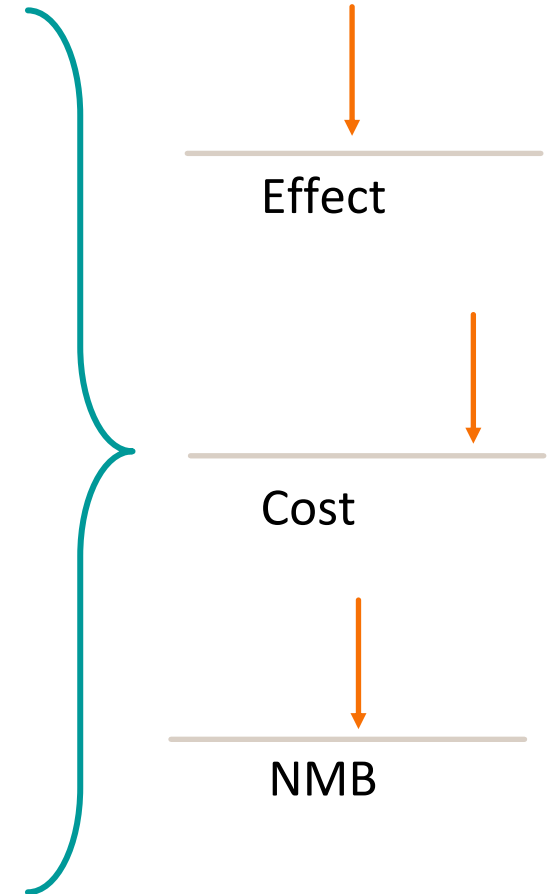


Input

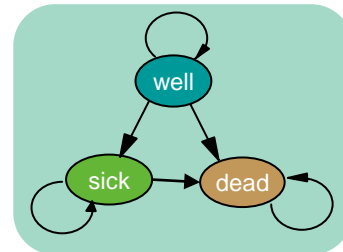
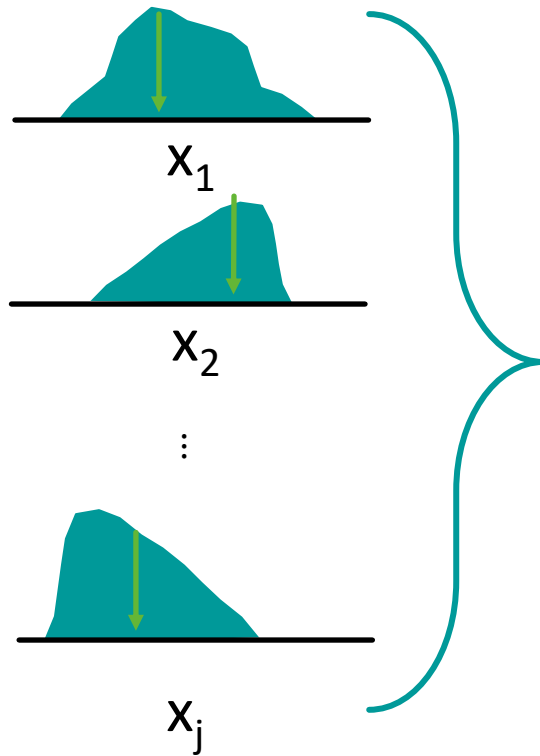


Model

Outputs

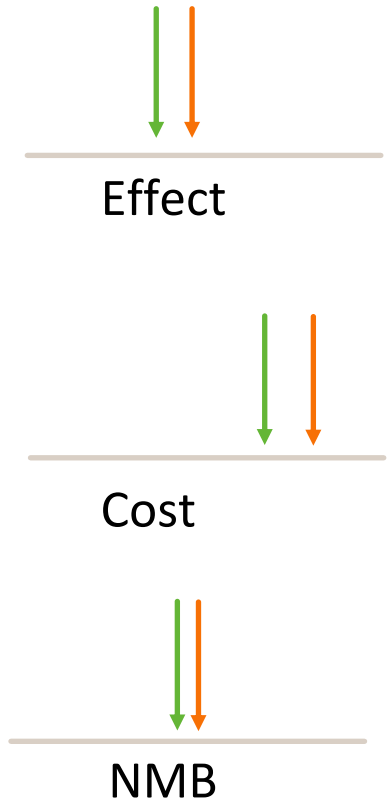


Input

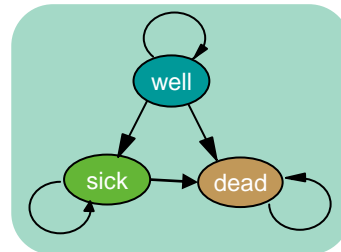
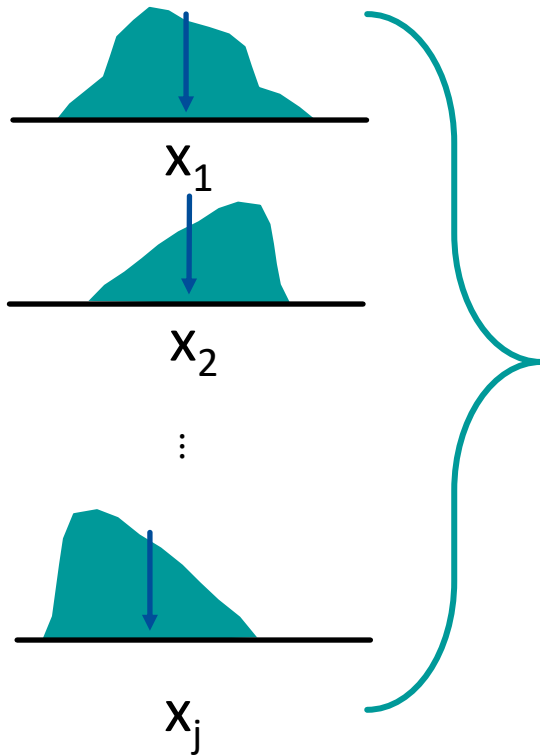


Model

Outputs

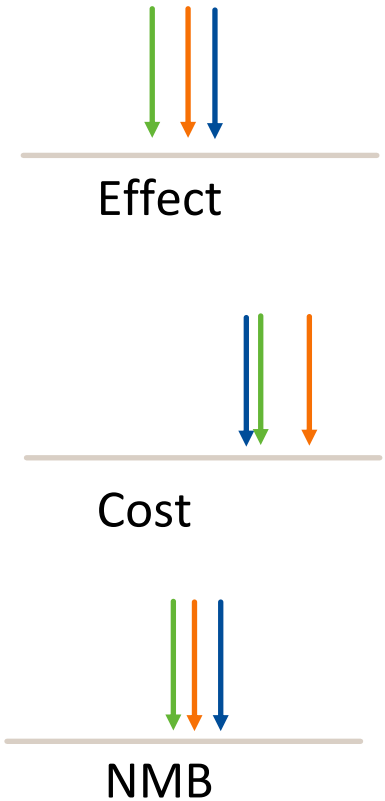


Input

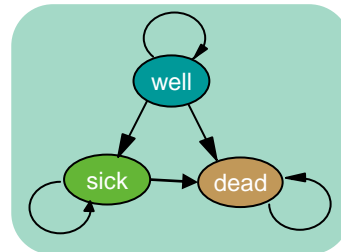
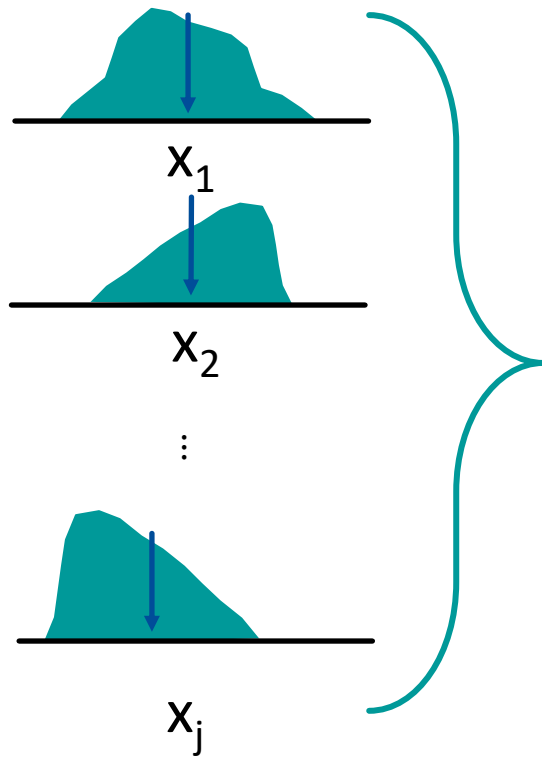


Model

Outputs

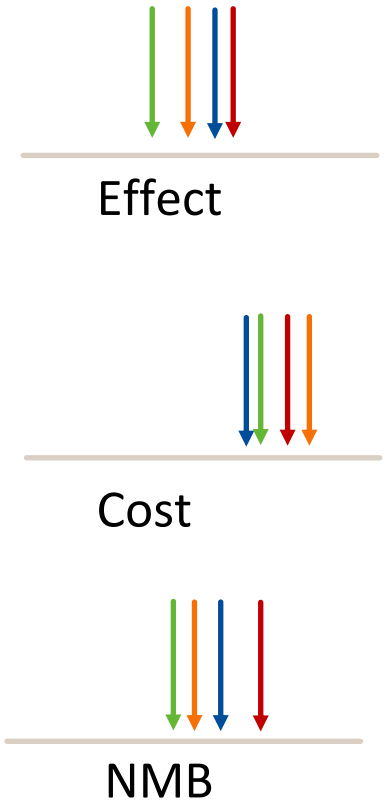


Input

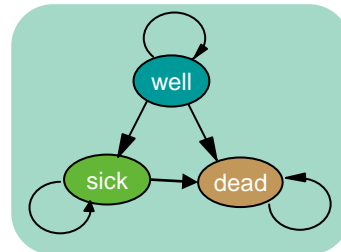
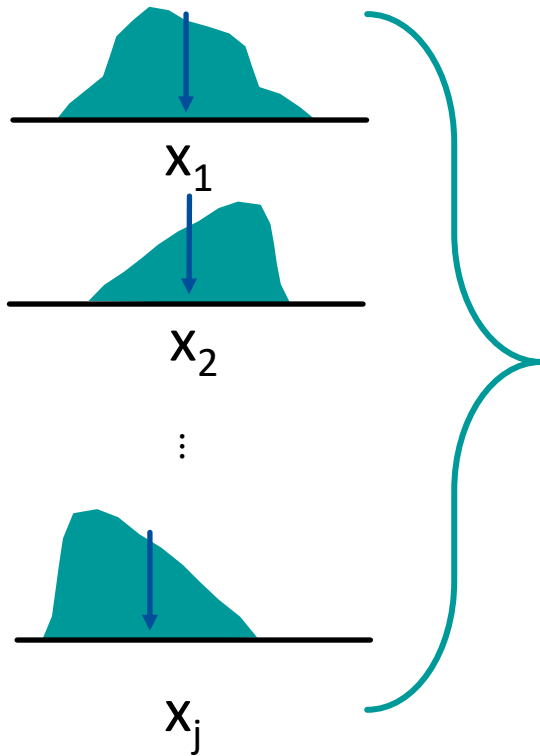


Model

Outputs

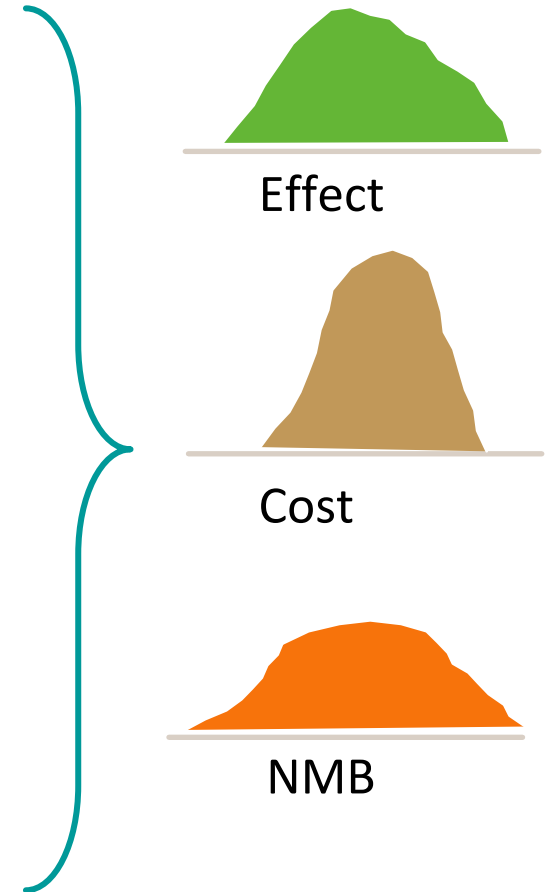


Input



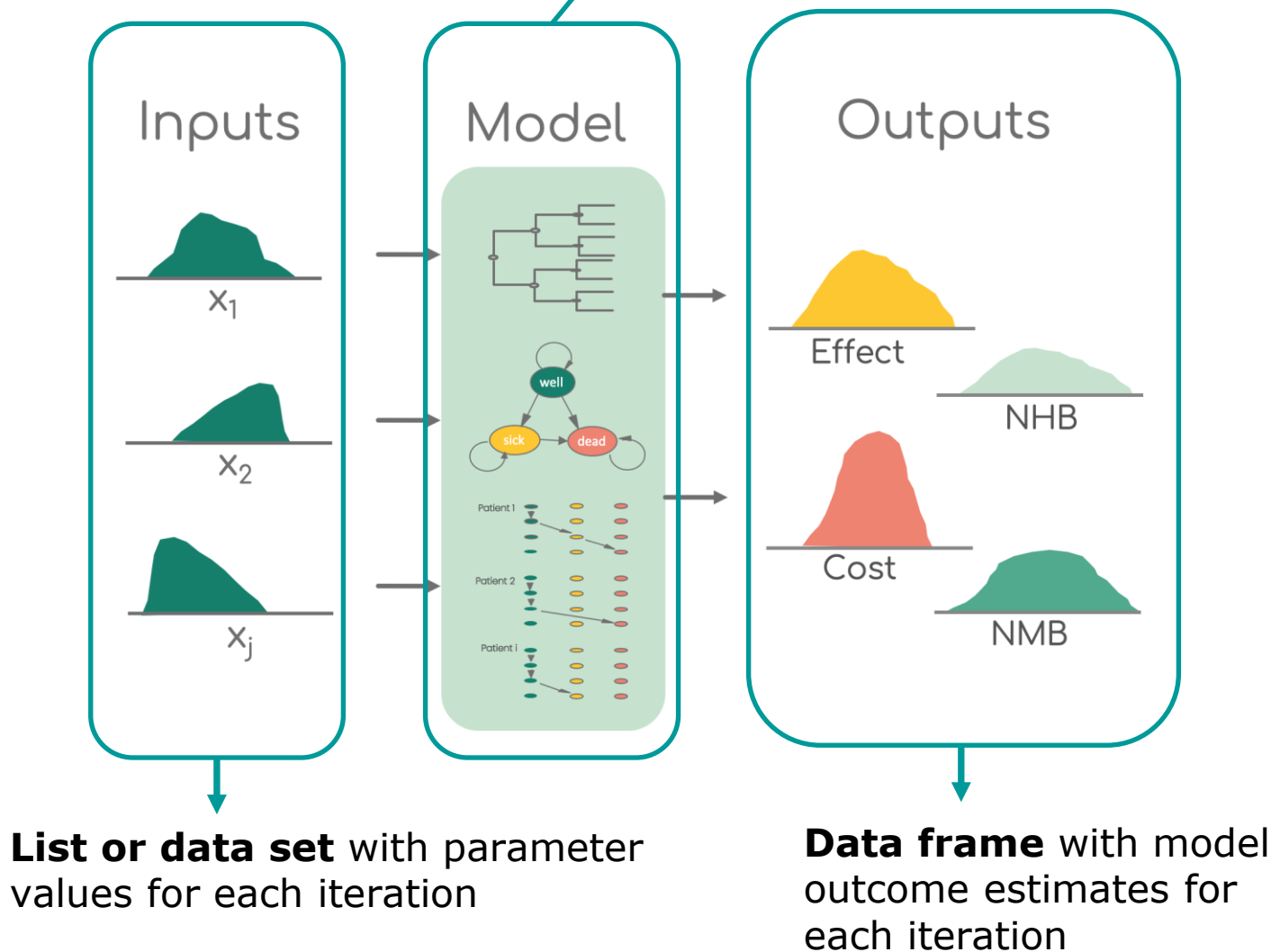
Model

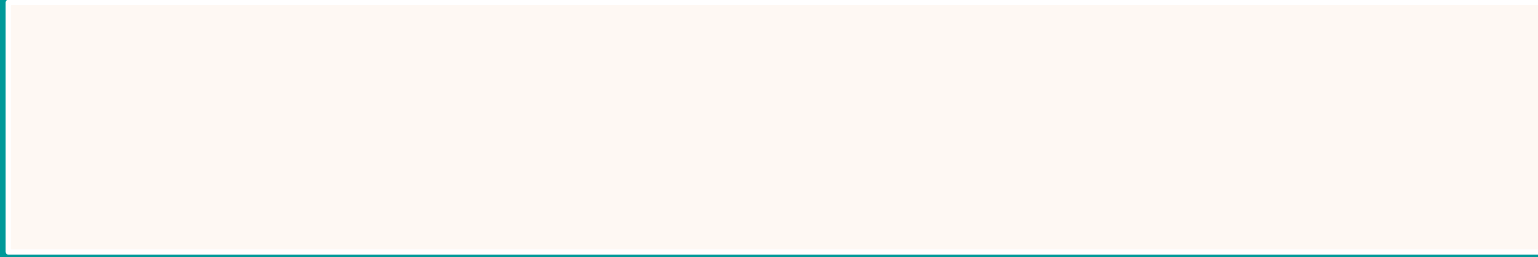
Outputs



PSA & R

Function which runs the model using the parameter values from the list





<http://darthworkgroup.com/>



<https://github.com/organizations/DARTH-git>



<https://www.linkedin.com/groups/8635339>



@DARTHworkgroup

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