













- Usefulness and Applications
 - Flow of information from DNA to phenotype
 - Parsimonious models for multi-trait analysis
 - Prediction, Markov Blanket
 - Causal inference
 - Visualization and model selection tool



Structure Learning

- Constraint-based algorithms
 - IC, PC Spirtes et al. (2001)
 - Grow-Shrink (GS) Margaritis (2003)
 - Incremental Association Markov Blanket (IAMB) Tsamardinos et al. (2003)
 - Max-Min Parents & Children (MMPC)
- Score-based algorithms
 - Hill Climbing (HC) Bouckaert (1995)
 - Tabu Search (Tabu)
- Hybrid structure learning algorithms
 - Sparse Candidate (SC) Friedman et al (1999)
 - Max-Min Hill Climbing (MMHC) Tsamardinos et al. (2006)

















