



Bayesian Intelligence

Schedule: Introduction to BNs

Room H7.84, Building H, Monash University Caulfield Campus, Melbourne

Day 1: Basic Topics

Time	Topic
9.45	Day Start
9.45	Introductions
10.00	Uncertainty and Probabilities What are Bayesian networks? (syntax) Reasoning with BNs
11.30	Tea break
11.45	Introduction to Netica Exercises (Native Fish) Types of evidence How to understand BNs? (semantics)
13.00	Lunch break
13.30	Bayesian Decision Networks Exercises
15.00	Tea break
15.15	Building your own BN Day 1 Review
17.00	Day End

Day 2: Advanced Topics

Time	Topic
9.00	Day Start
9.00	Day 1 Review Advanced Modelling with BNs <ul style="list-style-type: none">• Dynamic Bayesian Networks• Object Oriented Bayesian Networks• Spatial Networks
11.00	Tea break
11.15	GIS-BN Integration
12.00	Lunch break
13.00	Knowledge Engineering Bayesian Networks (KEBN) Structure elicitation Parameter elicitation
15.00	Tea break
15.15	Learning structure Learning parameters Evaluation (incl. sensitivity analysis) Day 2 Review
16.30	Day End

Bayesian Intelligence also offers a 3rd day for organisations wishing to do initial prototyping and modelling in their domain of interest. For details, contact training@bayesian-intelligence.com.

For any further information on the workshops, see <http://bayesian-intelligence.com/training/> or contact training@bayesian-intelligence.com.