Homework: learning with Naive Bayesian networks and decision trees

- Select a domain, select 5-10 candidate variables, and specify an (optionally extended) Naive Bayesian network.

- Quantify the Bayesian network.

- Generate a data set from your model.

- Relearn the parameters of the Naive-BN from your data.

- Demonstrate the entropy-based learning of a decision tree

- Investigate the effect of sample size on learning: vary sample size and discuss its effect on learning.

- Updated BayesCube manual: here

- BayesCube for XP/Win7/Win8, LINUX and Macintosh is available, please regularly check for the latest versions (and manual): here.