

CSE-537: Project 3

Due 18th November 2011

In this project you will implement Bayesian Networks (BNs). Your program will take the following two inputs for building the BN.

1. The BN structure which will be a directed acyclic graph
2. The conditional probability table for each node in the BN

Given a fully specified BN as above, the implementation will do probabilistic inference. The inference algorithm and the query form are described in the lecture slides. Lookup slides 3 to 6 in “Slides (Part 4)” in “Reasoning with Uncertainty” in the course page.

For your implementation convenience a java template with a sample BN based on the template, is attached.