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MET CS 767 Assignment 6: Bayesian Networks

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Create your own application of a Bayesian network, like the “sprinkler” problem in the notes. You can do this by hand, via a Python program, or using an online Bayesian network tool.

Please leave the gray text and the headings unchanged etc.

# Requirements for your application

Supply the requirements, including the nature of its inputs and that of its outputs.

your response replaces this

# Diagram

Provide a figure like the one in the notes for the Bayesian network.

your response replaces this

# Example 1

Give an example of an input and the resulting outputs, with an explanation of the computation.

your response replaces this

# Example 2

Give an example of an input and the resulting outputs, with an explanation of the computation.

your response replaces this

# Scaling

Imagine a real-world Bayesian network built to assess the economic impact of connected events, and implemented as in the your example. What would the main obstacles be to its practical development and use? Avoid generalities about Bayesian networks; concentrate on your application and its extrensions.

your response replaces this

# Evaluation

