01 December 2022

UNIVERSITY OF
GLOUCESTERSHIRE

**CT4031
Maths for Data Science**

Week 7 – Practical

Monty Hall problem

- What is this?
- How to solve this problem?
- How can this problem be solved through Bayesian Networks?

Monty Hall problem

- Coding example in python.

Let's try using this tool

- http://www.cs.man.ac.uk/~gbrown/bayes_nets/

References

- Pomegranate.readthedocs.io. 2021. *Bayesian Networks — pomegranate 0.13.2 documentation*. [online] Available at: <https://pomegranate.readthedocs.io/en/latest/BayesianNetwork.html> [Accessed 9 September 2021].