

University of Toronto
Department of Computer & Mathematical Sciences
STAB57: an Introduction to Statistics
Week 9 Assignment

taught by Louis de Thanhoffer de Volcsey

[-email me](#)
[-website](#)
[-textbook](#)

This week's list of problems is based on the material from:
Chapter 7, §2
You are expected to work on this list of problems prior to the upcoming tutorial.
Problems have the following tags:
🔒: difficult, 📖: Book exercise, Ⓜ: extra exercise

Terminology and Concepts to learn:

- Bayesian inference: estimation of posterior mode and mean
- Bayesian inference: credible interval, HPD interval
- Bayesian inference: Bayesian p-values and Bayesian factors
- odd of an event

Problem 1 📖

practice your skills on HPD intervals and hypothesis testing by doing exercises 7.2.12-13-14

Problem 2 📖

Practice your skills on Bayesian factors and odds by doing problems 7.2.15-16