

Week 8-Session 1: Outline

1. [Before Break: 60 mins] Theory on HMM

- a. [10 min] Lecture Q&A
- b. [50 min] HMM theory problem {[1_W8S1_HMM_ICU](#)}
 - i. [5 min] (a)
 - ii. [15 min] Demonstration on (b) and (c)
 - iii. [10 min] 5 min for (b)(c) and 5 min to show (d)(e)
 - iv. [15 min] (d), (e)
 - v. [5 min] go over solution

2. [After Break: 50 mins] Code Exercise

- a. [10 min] **HMM** - {[2_W8S1_Code_HMM_StudentLearning](#)}
- b. [30 min] Explore the code
 - i. Report observations from learned models
 - ii. Change the initial parameters of HMM
- c. [10 min] Discussion, Q&A, closing