

## Lecture 2: Markov Decision Processes

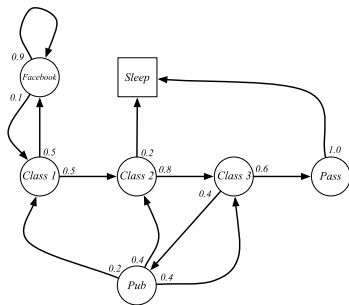
## └ Markov Processes

## └ Markov Chains

# Example: Student Markov Chain Episodes

Sample **episodes** for Student Markov Chain starting from  $S_1 = C1$

$$S_1, S_2, \dots, S_T$$



- C1 C2 C3 Pass Sleep
- C1 FB FB C1 C2 Sleep
- C1 C2 C3 Pub C2 C3 Pass Sleep
- C1 FB FB C1 C2 C3 Pub C1 FB FB  
FB C1 C2 C3 Pub C2 Sleep