

HW II

Sungsoo Lim

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1 Enumeration algorithm

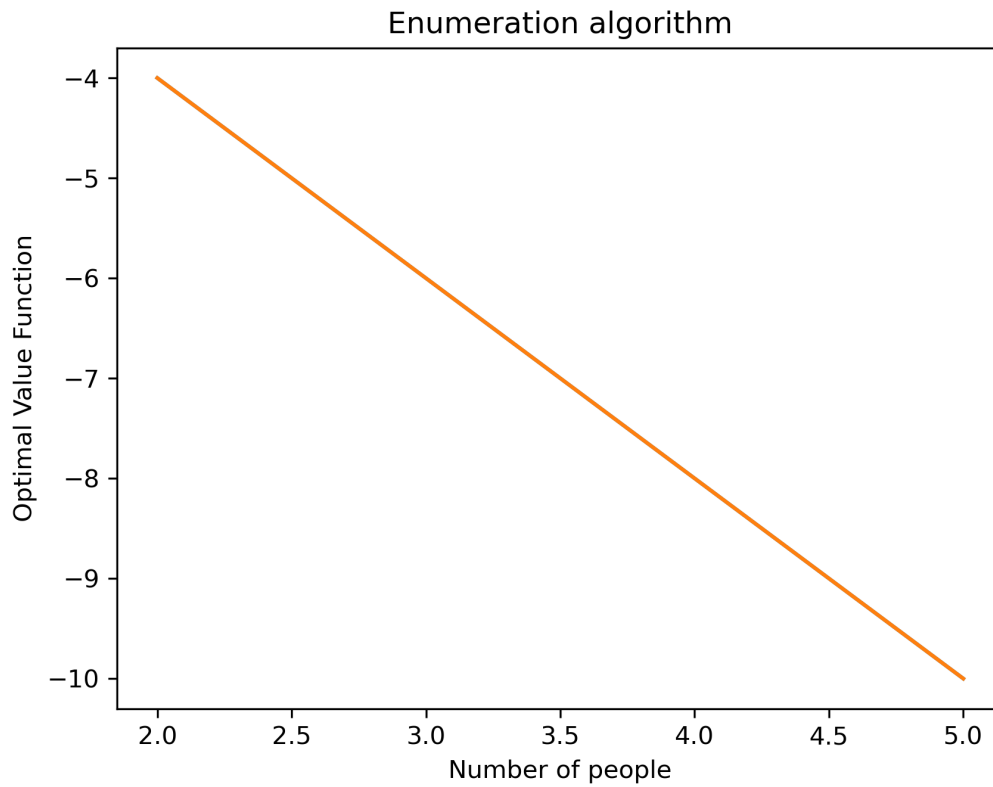


Figure 1: Optimal value function versus number of customers waiting at time 0 for the single-class problem.

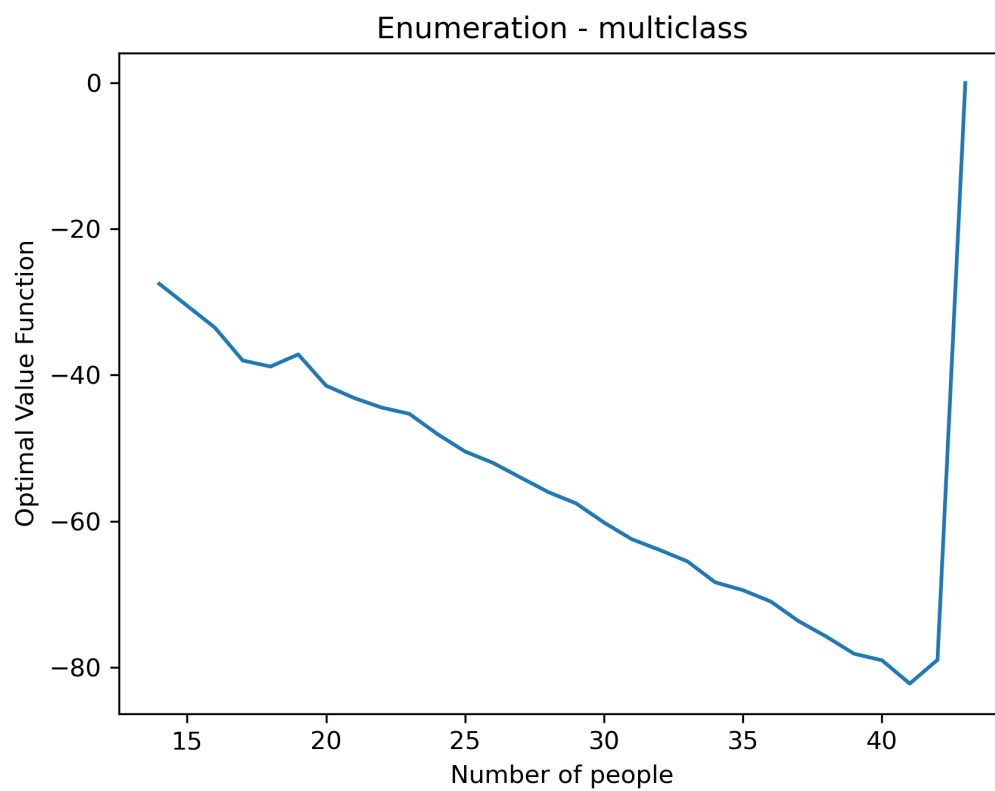


Figure 2: Optimal value function versus number of customers waiting at time 0 for the multi-class problem.

2 Value iteration algorithm

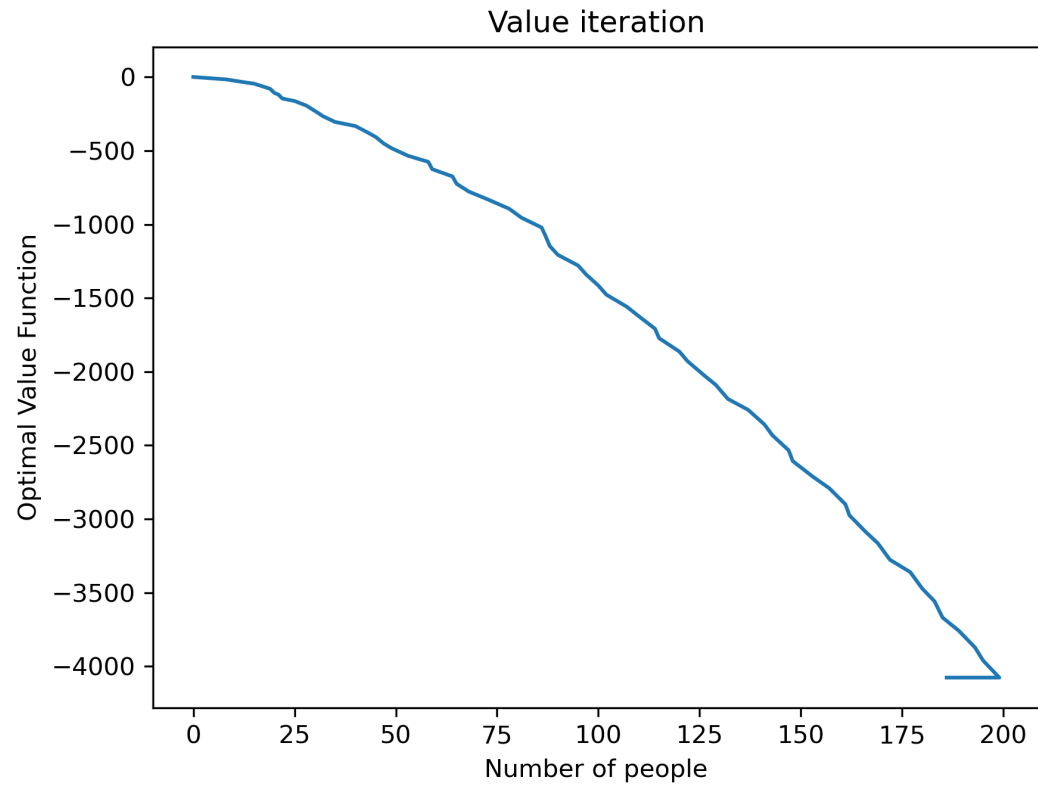


Figure 3: Optimal value function versus number of customers waiting for the single-class problem.



Figure 4: Optimal value function versus number of customers waiting for the multi-class problem.

3 Policy iteration algorithm

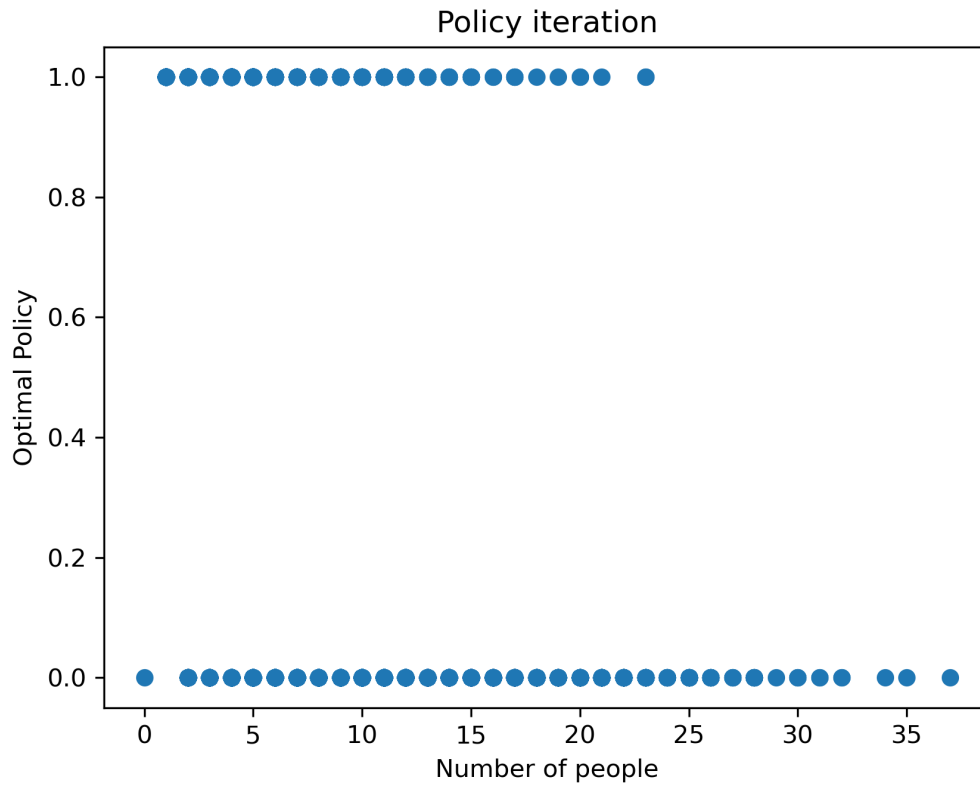


Figure 5: Optimal policy versus number of customers waiting for the single-class problem. 1 equals bus dispatching, and 0 no bus dispatching.

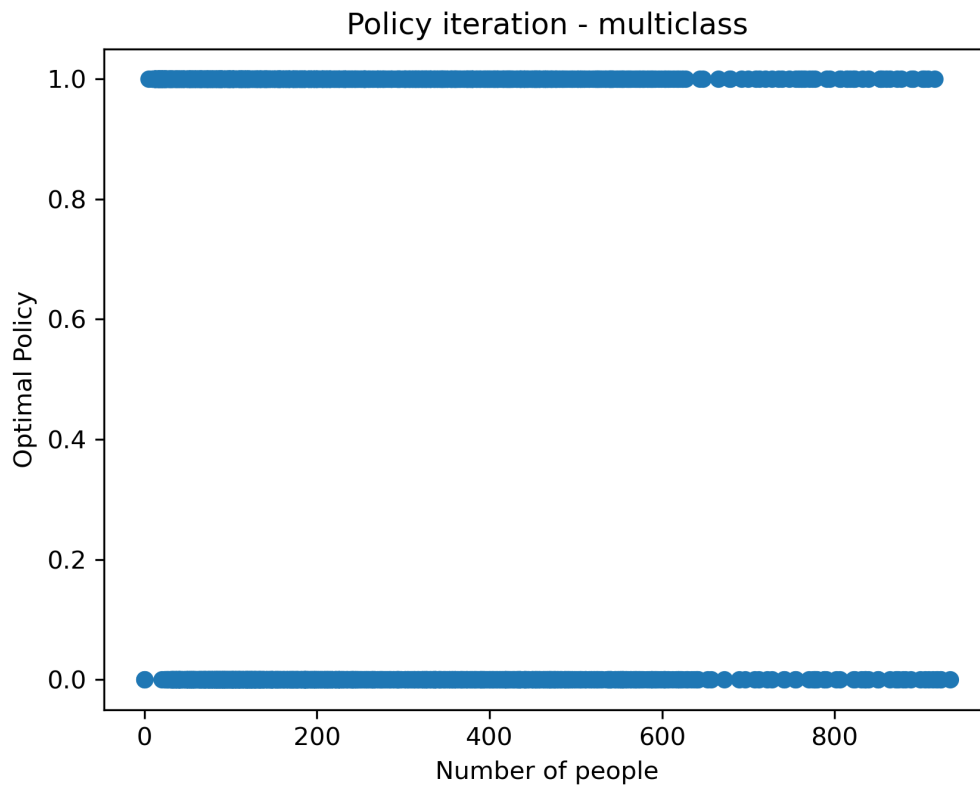


Figure 6: Optimal policy versus number of customers waiting for the multi-class problem. 1 equals bus dispatching, and 0 no bus dispatching.