

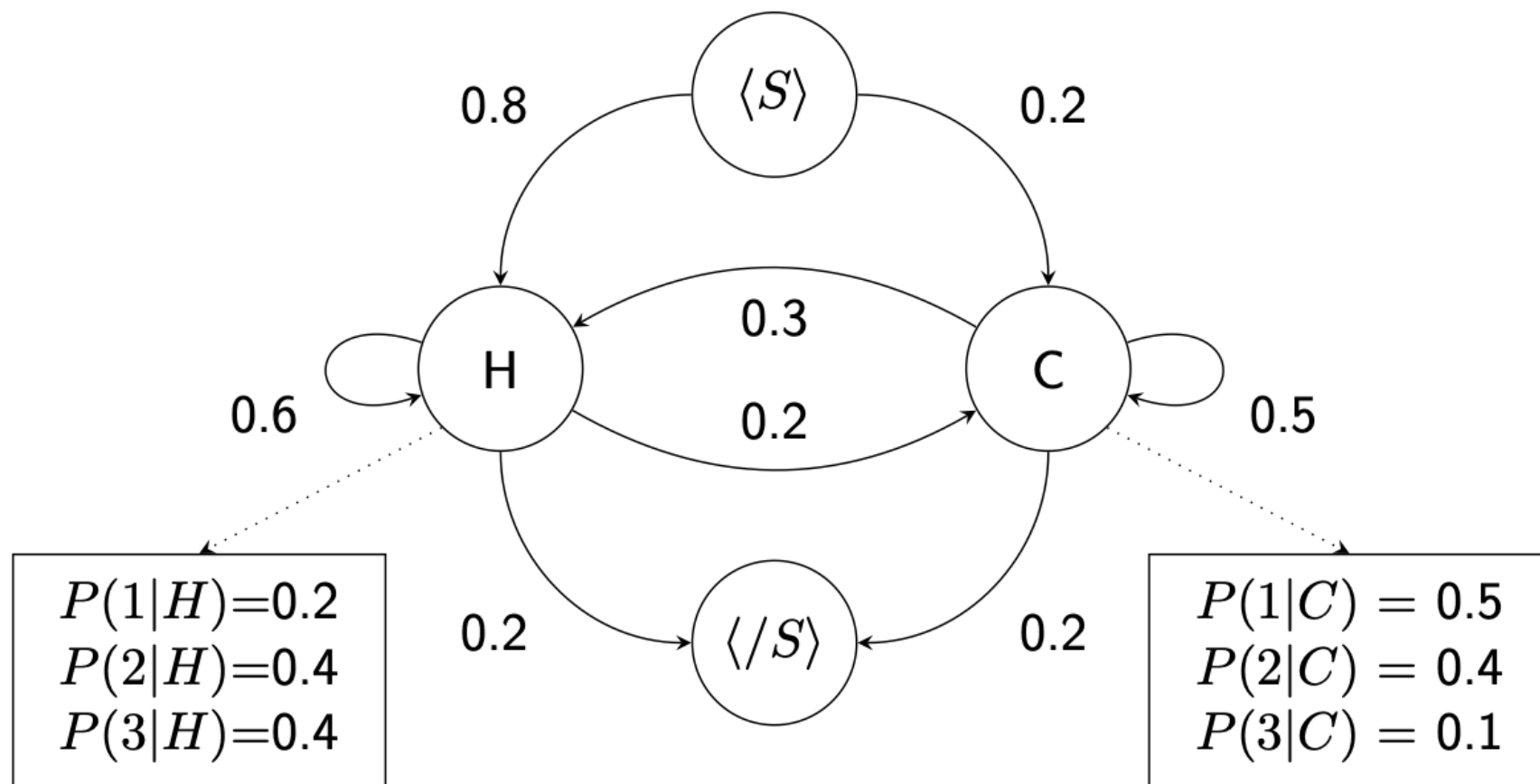
HMM og Viterbi

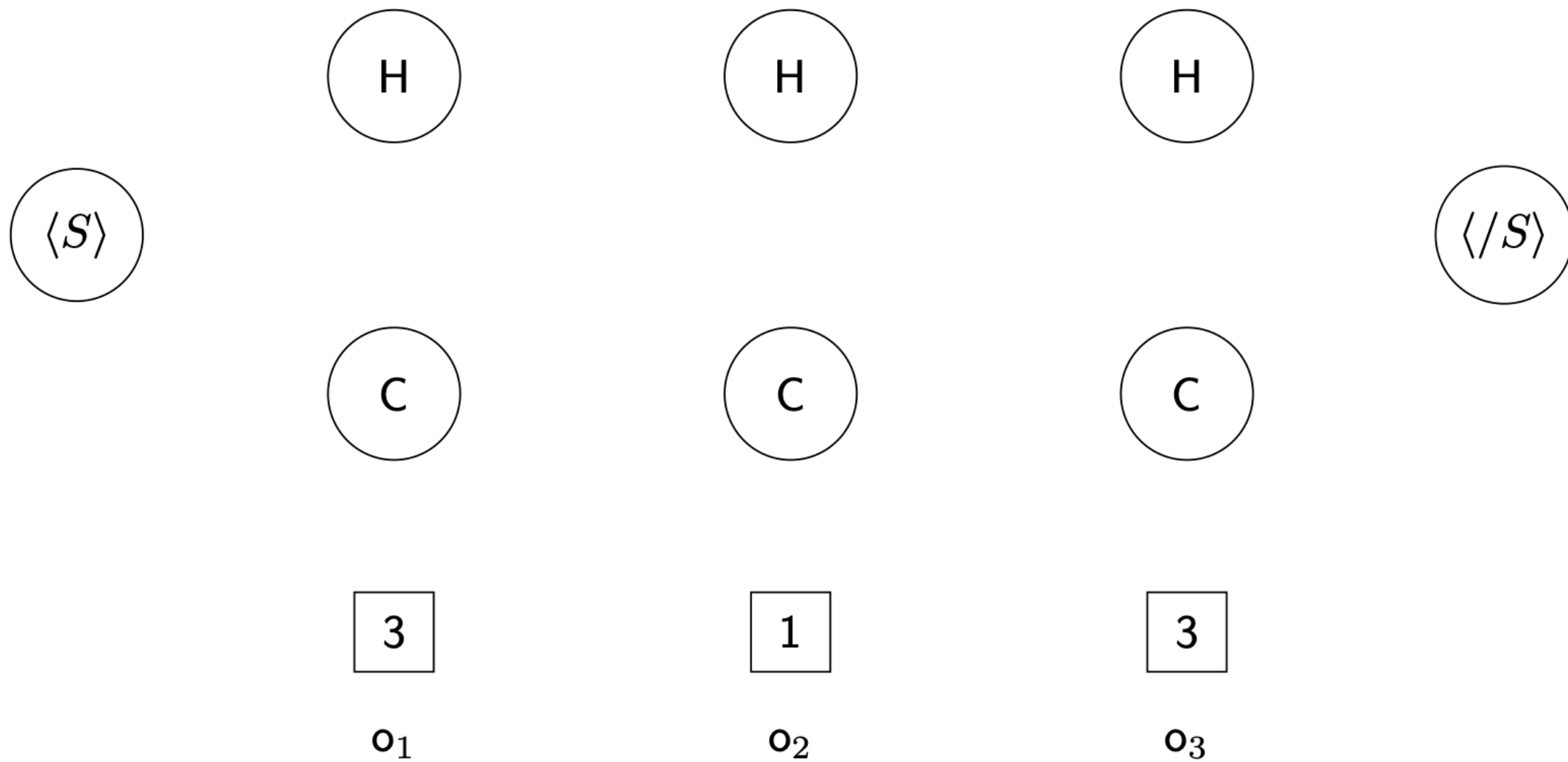
Missing records of weather in Baltimore, MD, for Summer 2007

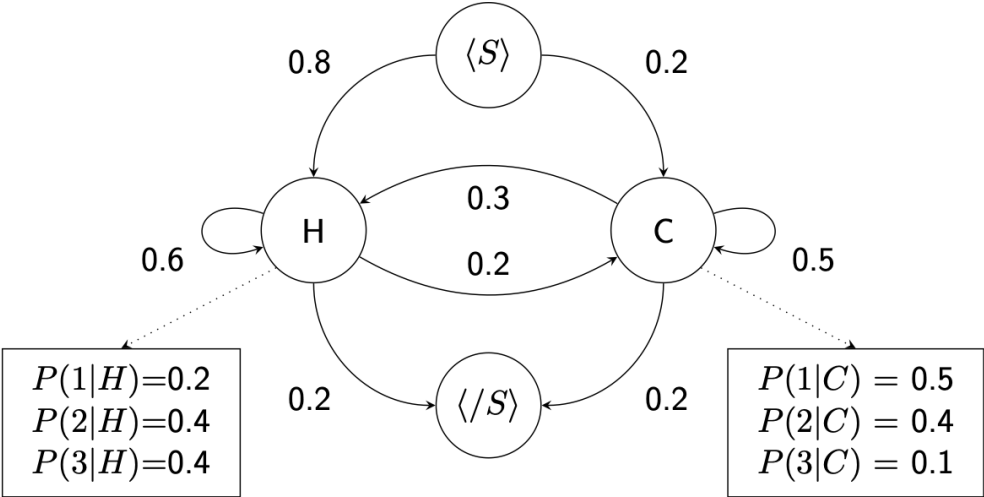
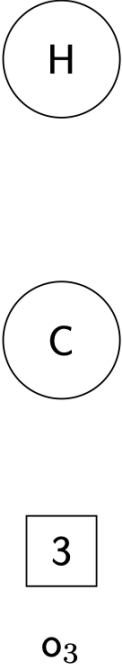
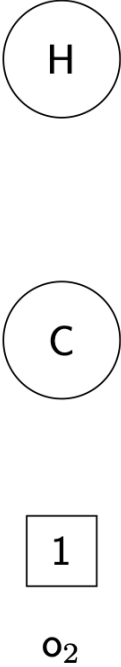
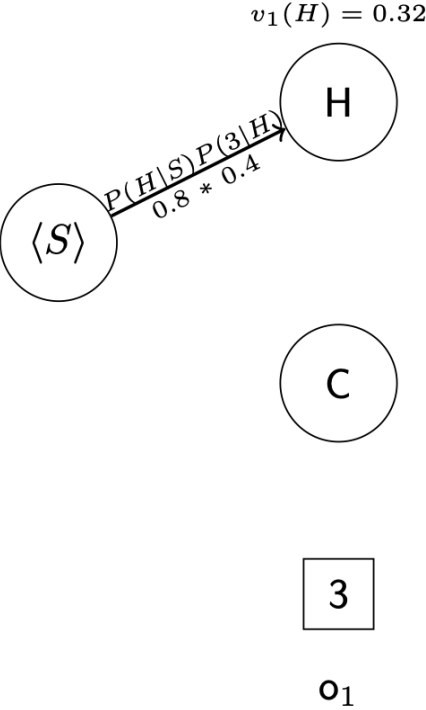
- ▶ Jason likes to eat ice cream.
- ▶ He records his daily ice cream consumption in his diary.
- ▶ The number of ice creams he ate was influenced, but not entirely determined by the weather.
- ▶ Today's weather is partially predictable from yesterday's.

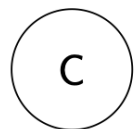
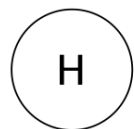
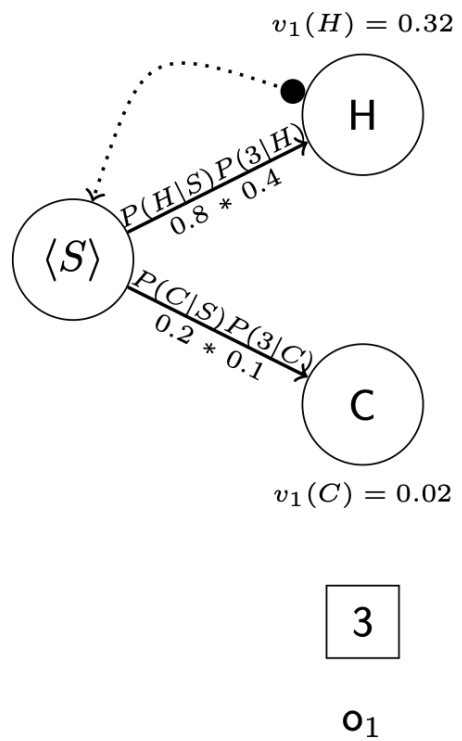
A Hidden Markov Model

- ▶ Hidden states: $\{H, C\}$ (plus pseudo-states $\langle S \rangle$ and $\langle /S \rangle$)
- ▶ Observations: $\{1, 2, 3\}$

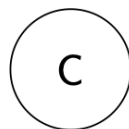
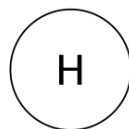




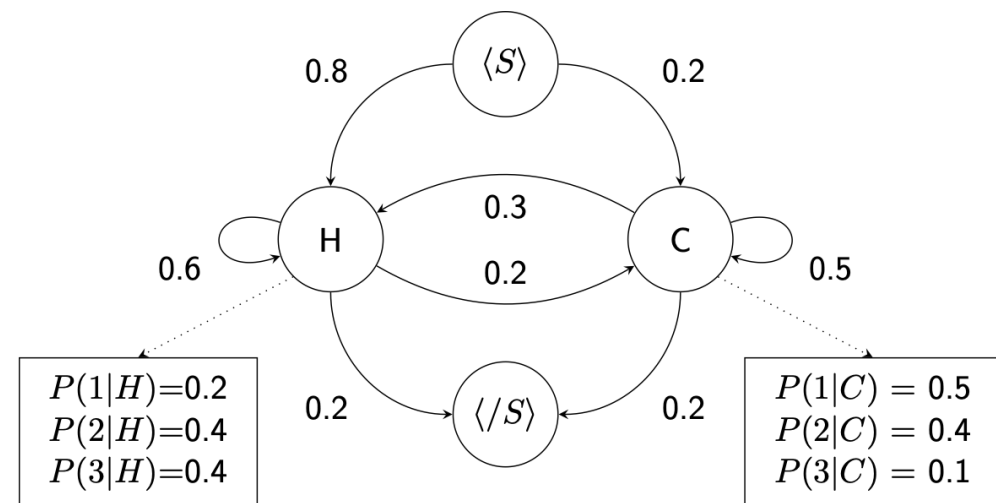
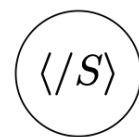


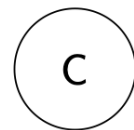
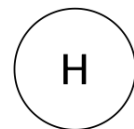
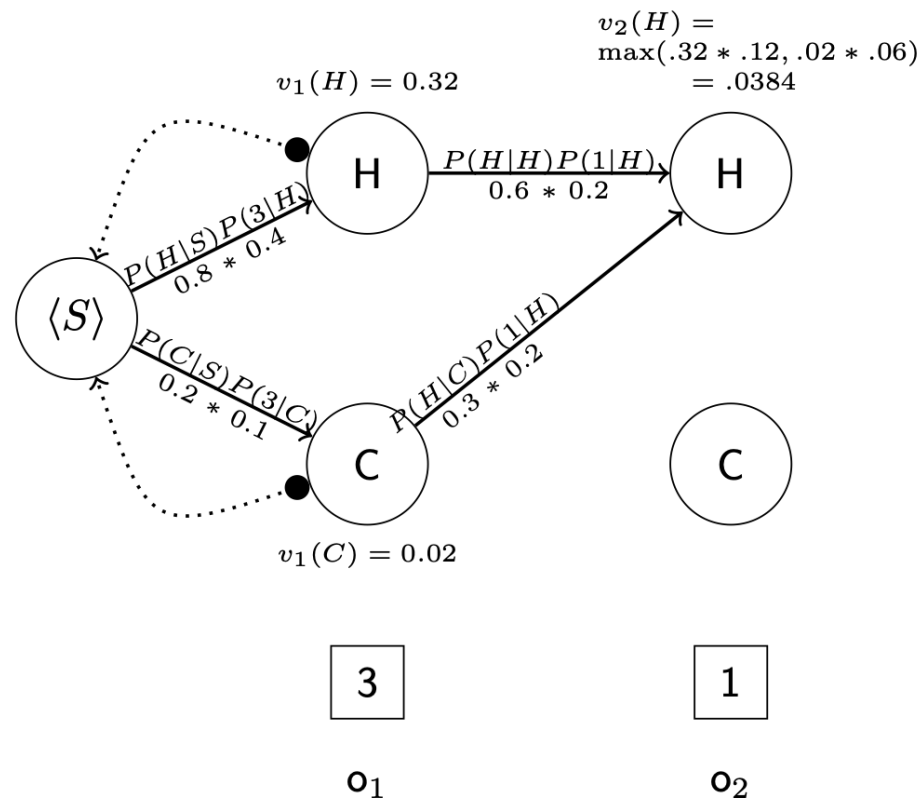


o_2



o_3





o_3

