Zmh6339
AI & Machine Learning, CS-UH 3260
Professor Keith Ross
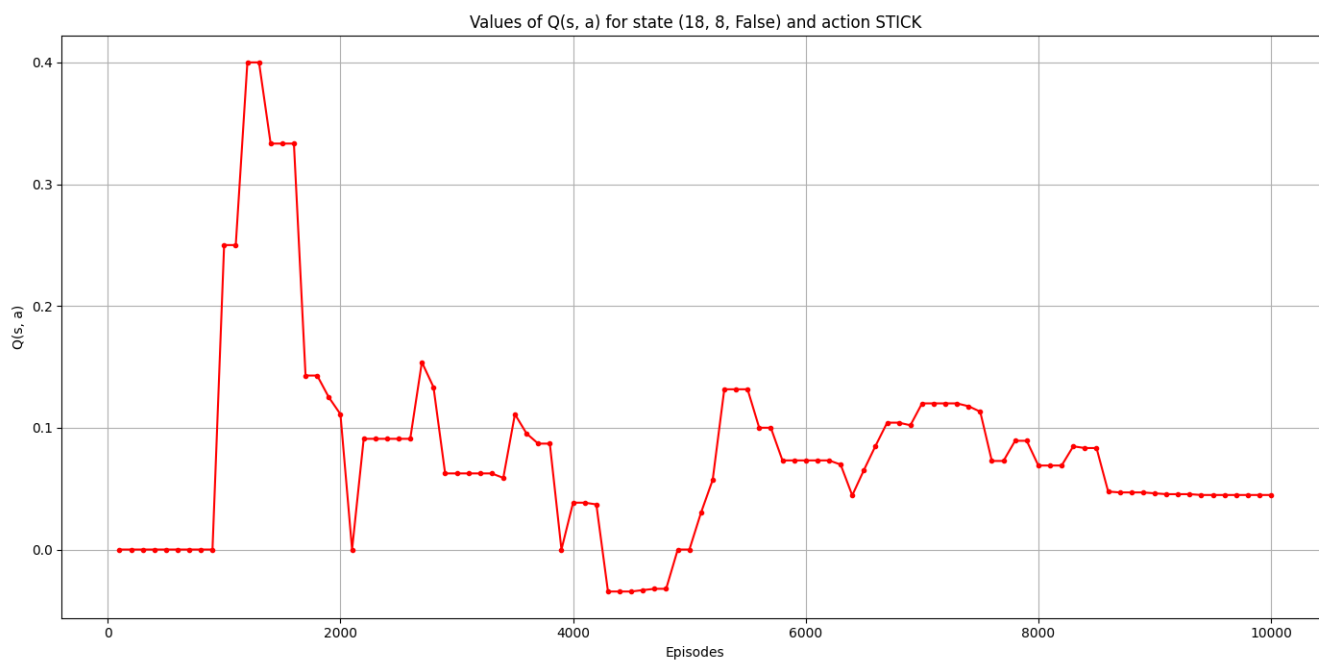
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Assignment 2

Question 1

Below is the plotting of $Q(\texttt{s},\texttt{stick})$
where $s := (\texttt{player total} = 18, \texttt{dealer showing} = 8, \texttt{no usable ace})$ in the first MCES version of the Blackjack game over 10,000 epsiodes (where every 100th episode was recorded).

Values of Q(s, a) for state (18, 8, False) and action STICK

Question 2

Below is the plotting of $Q(\texttt{s},\texttt{stick})$
where $s := (\texttt{player total} = 18, \texttt{dealer showing} = 8, \texttt{no usable ace})$ in the second MCES version of the Blackjack game over 10,000 epsiodes (where every 100th episode was recorded).

Values of Q(s, a) for state (18, 8, False) and action STICK