Improving Information Extraction by Acquiring External Evidence with Reinforcement Learning: Supplementary Material

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1 Framework and Model

Table 1 lists examples of features used in our Maxent classifier. Figure 1 illustrates the architecture of our DQN model.

Features:
isMaleName, isFemaleName
isCapital, isLongWord, isShortWord
isDigit, containsDigit, isNumberWord isOrdinalWord
isFullCity, isPartialCity

Table 1: Examples of unigram features used in Maximum Entropy classifier. The same features are also calculated for neighboring words in the surrounding context.
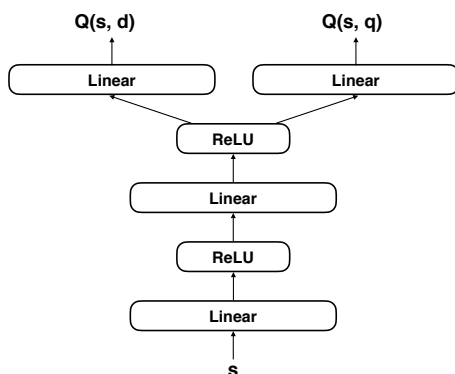

Figure 1: DQN architecture