

ABSTRACT

A system and method for constructing a response knowledge base. The method comprises providing a candidate dataset to a first machine learning arm, the first machine learning arm trained based on a first target outcome, wherein the candidate dataset comprises a plurality of candidate prompt-response pairs; providing the candidate dataset to a second machine learning arm, the second machine learning arm trained based on a second target outcome; and based on a first output from the first machine learning arm and a second output from the second machine learning arm, determining a leading candidate prompt-response pair from the plurality of candidate prompt-response pairs; and incorporating the leading candidate prompt-response pair into the response knowledge base.

(FIG. 1)