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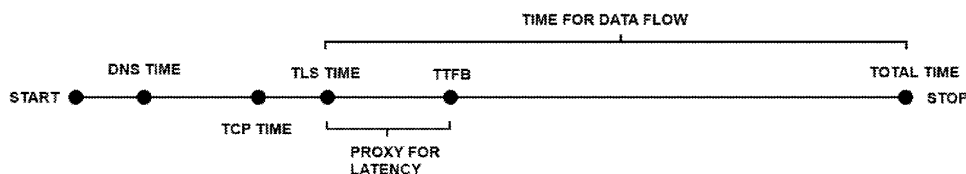
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**FIG. 1**



(57) Abstract: A method for training a machine learning model to generate a quality of experience (QOE) score that may include providing a machine learning module with a data set comprising QOE data, wherein the QOE data comprises a set of pairings or a communication timing statistic and an associated human user feedback QOE score for the communication timing statistic. The machine learning module may be trained on the QOE data to generate QOE scores for each of the pairings of communication timing statistics and human user feedback QOE scores to minimize error, where error may be the aggregated difference of generated QOE scores and the human user feedback QOE scores. Also, a method for calculating a QOE score from a communication timing statistic may include generating a QOE score considering a DNS component, a TCP component, a TLS component, a latency component, and a data rate component.



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