

SYSTEM AND METHOD FOR PREDICTING DESTINATION LOCATION

A system for predicting a destination location may include one or more processors and a memory having instructions stored therein. The one or more processors may use at least one recurrent neural network to: process spatial data which may include a first set of information about origin locations and destination locations; process temporal data which may include a second set of information about times at the origin locations and the destination locations; determine hidden state data based on the spatial data and the temporal data, wherein the hidden state data may include data on origin-destination relationships; receive a current input data from a user, wherein the current input data may include an identity of the user and the current origin location of the user; and predict the destination location based on the hidden state data and the current input data.

FIG. 4