

SYSTEM AND METHOD FOR TRAINING MACHINE LEARNING MODEL WITH GEOGRAPHICAL LOCATION

ABSTRACT

According to various embodiments, a system for training a machine learning model with a geographical location is provided. The system comprises: an input device configured to obtain a geolocation index for the geographical location; and a processor configured to train the machine learning model in relation to the geographical location, wherein the processor is further configured to split the geolocation index into a plurality of geolocation indexes each having different scales, embed each of the plurality of geolocation indexes to obtain a plurality of values relating to latitude and longitude for the plurality of geolocation indexes respectively, aggregate the plurality of values to obtain the representation value of the geographical location, and train the machine learning model using the representation value of the geographical location.

FIG. 1