



(12) **United States Patent**
Erenrich et al.

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(54) **SYSTEMS AND METHODS FOR ANALYZING PERFORMANCE OF AN ENTITY**

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(57) **ABSTRACT**

(58) **Field of Classification Search**
CPC G06F 19/26; G06F 3/0481; G06F 17/30
See application file for complete search history.

Systems and methods are provided for analyzing entity performance. In accordance with one implementation, a method is provided that includes receiving data associated with a geographic region and transforming the received data into an object model. The method also includes analyzing the object model to associate the received data with a plurality of entities and to associate the received data with a plurality of sub-geographic regions of the geographic region. The method also includes applying a prediction model to the plurality of sub-geographic regions using the object model to determine a predicted performance for at least one entity of the plurality of entities. Further, the method includes determining actual performance for the at least one entity and providing a user interface that includes information associated with the predicted performance, the actual performance, or a combination of the predicted performance and the actual performance.

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