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(57) Abstract :

The present invention provides a context-aware system (100) and method for estimating average user wait time using sensor data. The system comprises one or more sensors (110) configured to collect contextual data related to user activities, a processor (120) configured to receive the contextual data and determine an estimated average wait time for the user activities based on the contextual data using machine learning algorithms and predictive analytics, and a user interface (130) configured to display the estimated average wait time to the user. The contextual data may include user location, movement, ambient temperature, noise level, and other relevant factors. The processor (120) may use machine learning algorithms and predictive analytics to take into account various factors affecting wait time, such as historical data, real-time data, external factors, and user preferences. The user interface (130) may provide additional information related to the user activity and allow the user to customize their preferences.

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