

Using AI to Measure RTA Times

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INTRODUCTION/ABSTRACT

Artificial Intelligence is advancing and becoming more integrated in our society. As a student, commuting is important and factored into the day to day. The RTA is used by a lot of students and is unpredictable as well. AI can be used to determine wait times and bus routes which helps students. We want to research and expand on how AI helps students with an unpredictable means of travel that is the RTA.

CONCLUSIONS

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Figure 3. Busses in Dubai are using AI to reduce costs and travel times

RESULTS

- Use of AI to alter bus schedules and routes to adapt to traffic and weather
- Buses using self-driving technology to drive faster and safer
- Limited in effectiveness due to factors difficult to predict such as weather and car crashes (adaptation instead of avoidance).

Figure 1. Global Artificial Intelligence in the Transportation Market by Technology, 2013-2023 (US\$ Millions) (from IFC report)

Figure 2. A diagram of the basic flow of deep learning AI

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