

Module 9: Reinforcement Learning

Case Study

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Case Study

Domain – Logistics

focus – Optimal path

Business challenge/requirement

BluEx is a leading logistics company in India. It's known for efficient delivery of packets to customers. However BluEx is facing a challenge where its van drivers are taking a suboptimal path for delivery. This is causing delays and higher fuel cost.

You as ML expert have to create a ML model using Reinforcement Learning so that efficient path is found through the program.

Key issues

Data has lots of attributes and classification could be tricky

Considerations

Reinforcement Learning is tricky, so the expectation is to come up with sample flow and full-fledged implementation will be done by team later

Data volume

- None. Sample data is hard coded in the program

Additional information

- NA

Business benefits

Up to 15% fuel cost can be saved by taking optimal path