



INTERNATIONAL TELEMATICS

INVESTIGATION OF LOCATION BASED SERVICES AND ANALYTICS

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BTECH 451

INTRODUCTORY PRESENTATION

INTERNATIONAL TELEMATICS LTD.

- Specialises in designing and manufacturing of Telematic solutions for companies with remote assets such as road vehicles
- Current product
 - Ibright – Telematic Computer for Fleet Managers
 - GPS
 - Engine Management Interface
 - Mobile Data Terminal (MDT)
 - Driver Behaviour Monitoring (Swerving, Braking, etc.)

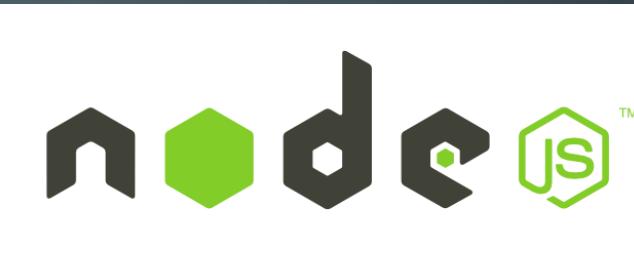


THE PROJECT

- To develop an application to predict truck stop durations at pickup/delivery sites
- Use of previous event data
 - Driver and truck details
 - Number and type of items at a certain site
 - Day and time of service

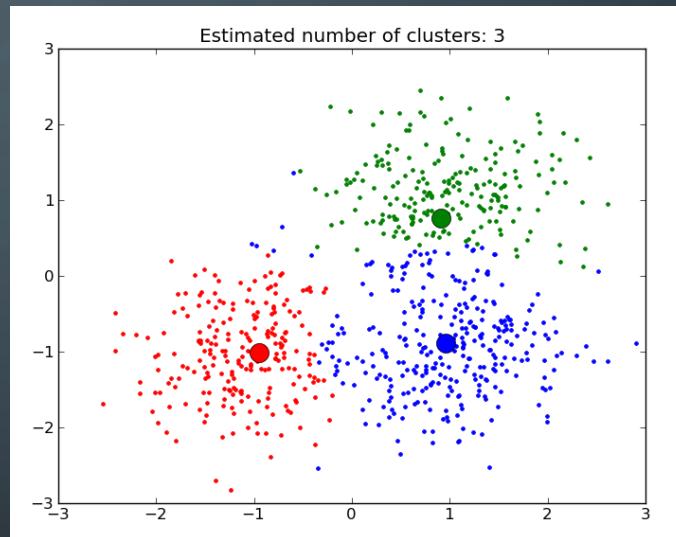
NODE.JS AND MONGODB

- What is Node.js?
 - Platform built on Chrome's JavaScript runtime
 - Event-driven and non-blocking I/O model
- What is MongoDB?
 - Open source NoSQL database
 - Document database
 - High performance and easy scalability



PREDICTION TECHNIQUES

- Data Mining Techniques
 - Supervised Classification
 - Unsupervised Classification
- Cluster Analysis
 - Unsupervised Classification technique
 - Divides data into groups based on relational information in the data



WHAT I HOPE TO GAIN

- By the end of this project I hope to have achieved:
 - An understanding of the Data Mining techniques
 - Knowledge in proficient ways in building prediction models
 - How to plan the development of an application
 - How to deploy and test the application in the real world

THANK YOU