A photograph of a modern building's exterior featuring a complex, angular facade composed of many triangles. The facade is colored in shades of grey, orange, and brown. The building is set against a bright blue sky with wispy white clouds.

MIS710 Machine Learning in Business

Topic 11: Machine Learning in Practice

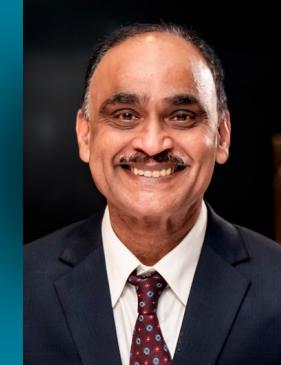
Associate Professor Lemai Nguyen





Unlocking the Power of AI: Strategy, Platforms, and Practice

Monday 23rd Sep 2024, 12.00pm AEST, 7.30am IST



Prof Rajeev Sharma
Head of
Department,
Information
Systems and
Business Analytics

Alan Longmuir
Delivery Manager,
Digital Solutions
Digital Services

Lizy Lal
Senior Manager,
Emergent
Technologies
Digital Services

Dr Rituraj Kunwar
AI Specialist,
Emergent
Technologies
Digital Services

Dr Mohsen Laali
AI Specialist,
Emergent
Technologies
Digital Services

Prof Raju Varanasi
Professor of Practice
Deakin Business
School

**A/Prof Lemai
Nguyen**
Information Systems
and Business
Analytics



Our Journey...

- Introduction to Machine Learning and key concepts
- Data preparation and Exploratory Data Analysis
- Supervised machine learning: linear regression
- Supervised machine learning: logistic regression
- Supervised machine learning: decision trees
- Supervised machine learning: KNN
- Artificial Neural Networks (MPL)
- Model optimisation, Cross validation, and Ensemble learning
- Unsupervised Machine Learning: K-means Clustering
- Text analytics: NLP and sentiment analysis
- Machine Learning in Practice



Python in GoogleColab

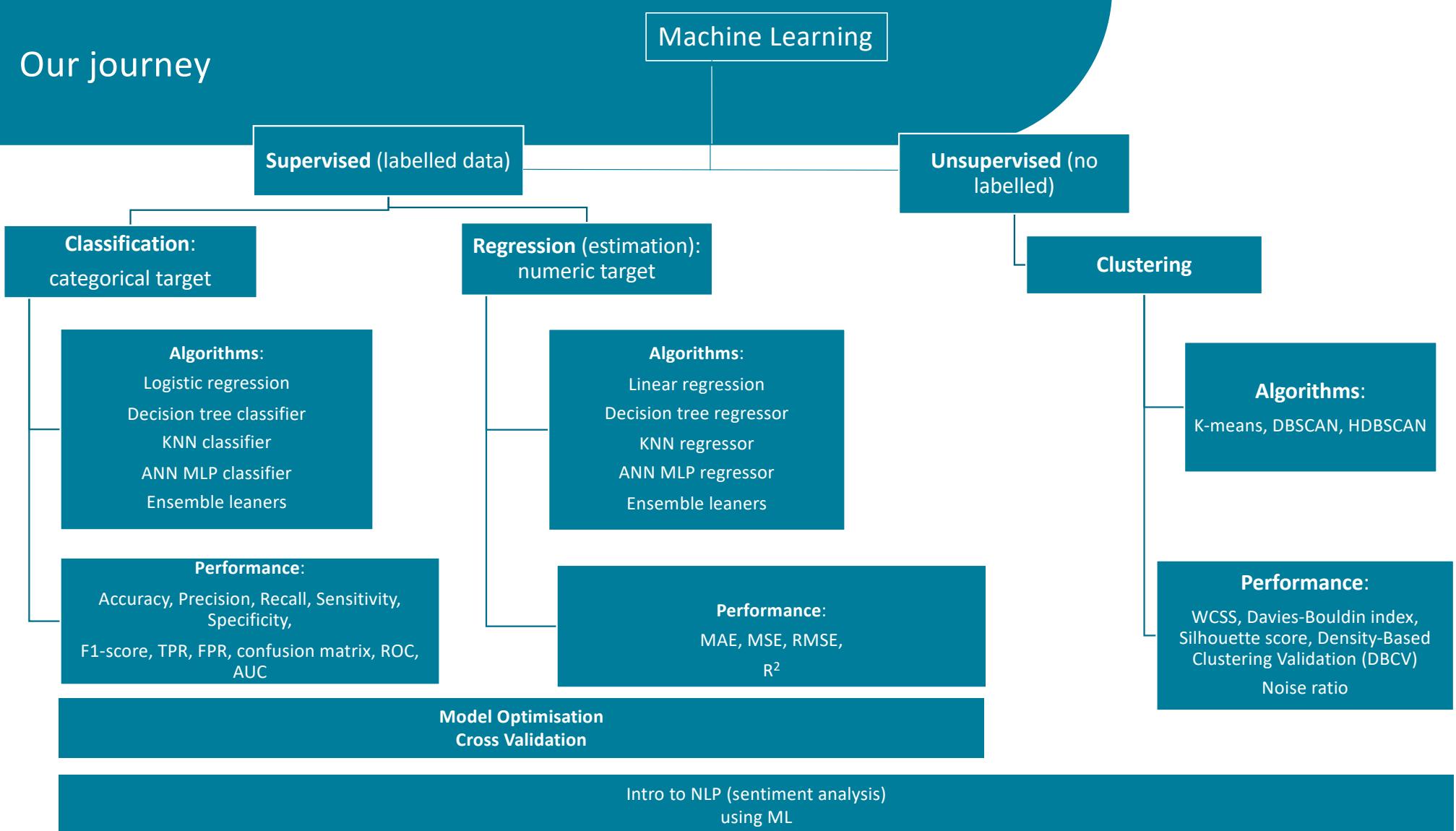


Preetham Bangera
Jio Platforms



Prof Raju Varanasi
Deakin University

Our journey



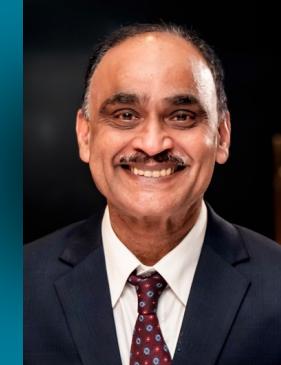


Insights from
Practice



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Information Systems
and Business
Analytics



Q & A



Play Quest Conquer - an online gaming Platform

Labeled dataset

- 17 attributes and over 24,800 observations

Competition dataset

- 16 attributes and 2000 observations



Top A1 score: Anna Mihaylov



shutterstock.com - 1930105679



First Prize: Veena Suresh



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Runner-Up Prize: Rajvirsinh Jitendrasinh Rathod



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Women in AI Prize: Chu Yin



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Women in AI Prize: Akshitha Karlapati



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A2 consultation sessions



Learning
Analytics for
Primary Schools

A2
Case Study
A2 Tasks
A2 Deliveries

- **Late Penalty:** 3 marks per day.
- Submit the **correct files**.
- Uphold **academic Integrity**

Week 10:

- Friday 20th Sep 3.00-4.00pm AEST i.e., 10.30-11.30am IST: Lemai - How to write a business report? Zoom

Week 11:

- Tuesday 24th Sep 3.00-4.00pm AEST, Burwood B3.17, Dat Le
- Wednesday 25th Sep 7:30-8:30pm, 3.00-4.00pm IST, Zoom Emran
- Thursday 26th Sep 3.00-4.00pm AEST, Burwood B3.17, Thuc

Week 12 - study week – Zoom only

- Monday 30th Sep 3.00-4.00pm AEST i.e., 10.30-11.30am IST, Zoom, Dat Le
- Tuesday 1st Oct 6.00-7.00pm i.e., 1.30-2.30pm IST, zoom, Durgesh
- Wednesday 2nd Oct 6.00-7.00pm i.e., 1.30-2.30pm IST, zoom, Emran

Participate in the labs and A2 forum



Mastering Digital Business Analysis: Digital Sustainable Futures and Career Insights

Tuesday, 24th Sep 2024, 3.00m AEST



**Assoc./Prof. Lemai
Nguyen**
Information Systems
and Business
Analytics



Sureikha Ratnatunga,
Senior Business Analyst
Digital Learning, Deakin
Learning Futures



Emre Denis
CEO at GYLD Agency,
New Zealand



Denley C. Rebello
IT Service Desk
Team Leader
Neami National



Fuzail Ahmed
Business Analyst &
Project Manager
Light and Wonder

eVALUate is now open

This is your chance to give feedback

Confidential (we take this very seriously)
Any device, anytime, anywhere

Your opportunity to
impact student experience
Important part of
Deakin's learning and teaching



Outcomes directly from
eVALUate feedback

can be found at:

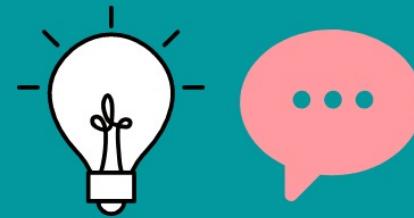
<http://deakin.is/evaluate-actions>

Giving feedback on eVALUate



DO

- ~ Be polite and respectful
- ~ Be human and considerate
- ~ Comment on specific issues
- ~ Be objective
- ~ Focus on the issue not personal traits
- ~ Aim for balance about what was helpful and what you would like to see improve.



DON'T

- ! Make it personal
- ! Be judgemental and insulting
- ! Use derogatory, sexist or racist language
- ! Go on a massive rant
- ! Be a troll



Thank you for your feedback



Burwood



GIFT city



Online