**IN3062**

Introduction to AI

Contents

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1. Describe a machine learning problem and apply artificial intelligence techniques to that problem.
2. Describe the systematic application of your chosen artificial intelligence methodology to the chosen problem (for example, data preparation, parameter tuning).
3. Apply, compare, contrast and critically evaluate at least two ways of analysing your problem data.

To be answered:

What is your dataset, problem domain?  
Is your model classification or regression?   
Did you have any missing, corrupt or misleading data? If so, how did you cope it?   
Have you omitted some data? If so, why?   
Did you apply techniques to understand your dataset?   
What models did you use?   
How did you encode the input variables?   
What are the criteria for selecting model performance evaluation tools?   
What were your outputs?   
Did you have any problems or difficulties working with the dataset?

Steps to process data:

1. Import data
2. Clean Data
3. Split Data into training and testing data
4. Create model
5. Train model
6. Make predictions
7. Evaluate and improve

Numpy

Pandas – dataFrame

MatPlotLib – graphs

Scikit-Learn

8/12 : learning ML with <https://www.youtube.com/watch?v=7eh4d6sabA0> , <https://www.youtube.com/watch?v=VwVg9jCtqaU>

Looking for deepforest dataset <https://deepforest.readthedocs.io/en/latest/getting_started.html>

Sat4\_dataset: <https://www.kaggle.com/crawford/deepsat-sat4?select=sat4annotations.csv>

To be studied: <https://www.youtube.com/results?search_query=python+keras>