

Open Book, Take Home AI Assignment 2.
Master of Science in Computer Science
Deadline for Submission is Tuesday 3rd November 2022 (STRICTLY 1:00pm)
The Google Form Will Close Automatically.

As an individual or a Team of two, work on your identified real-life Problem by performing the Following Tasks.

1. Use the PPT template provided to create a PowerPoint presentation with the following slides.

Slide 1: Describe your identified real-life problem to be addressed using Machine Learning (ML).

Slide 2: Obtain an open dataset and briefly describe how it will be used in addressing the identified real-life problem.

Slide 3: Explain at least four factors you considered before selecting that dataset for your ML project.

Slide 4: Describe at least six important features in your dataset that your ML model will likely use while solving the real-life problem you are addressing.

Slide 5-6: Describe what you understand by Bayesian Theorem and how it can be applied in your project.

Slide 7-8: Describe what you understand by Naïve Bayes and how it can be applied in your project.

Slide 9-10: Describe what you understand by Bayesian Networks and how it can be applied in your project.

Slide 11: Explain the difference between Bayesian Theorem and Naïve Bayes.

Slide 12: Explain the difference between Naïve Bayes and Bayesian Networks

Slide 13: Please add any five most relevant references to your work including the link to your selected dataset.

NOTE: Your ppt Presentation should have a MAXIMUM OF 15 SLIDES.

NOTE: Your video Presentation should be a maximum of 13 minutes.

2. Please create a video presentation and upload it on your YouTube channel.
3. Then upload your ppt presentation and share the link to your uploaded YouTube video presentation, the link to your Kaggle Profile account and the link to your selected dataset in the google form below: <https://docs.google.com/forms/d/e/1FAIpQLScuuTaAr28-QEqzUnr7FOfHNGhx-MwvDoxuQs5IM0wtXxhtLg/viewform>

Download the PPT Presentation Template from :

<https://docs.google.com/presentation/d/1ZgVHC0hUNuKwVjO6FJCG9yWRjDyCEcU7/edit?usp=sharing&ouid=104624158981195822054&rtmpof=true&sd=true>

NOTE: That is Just a Presentation Template, therefore adjust it to fit the required presentation.

You can create your Kaggle Account from:

<https://www.kaggle.com/account/login?phase=startRegisterTab&returnUrl=%2F>

Obtain an appropriate Open Dataset from any of the following sites:(NOTE: This list is not exhaustive)

<https://data.mendeley.com/>

<https://archive.ics.uci.edu/ml/datasets.php?task=%20&area=&type=%20&view=list>

<https://ieee-dataport.org/>

<https://www.clickworker.com/ai-datasets-for-machine-learning/>

<https://deepai.org/datasets>

<https://air.ug/datasets/>

<https://hash.theacademy.co.uk/hash-datasets/>

<https://allenai.org/data>

<https://github.com/awesomedata/awesome-public-datasets>

<https://datarade.ai/data-categories/ai-ml-training-data>

<https://appen.com/solutions/training-data/>

<https://eo4society.esa.int/projects/aireo/>

<https://sigma.ai/resources-datasets/>

<https://ai.facebook.com/datasets/>

<https://www.sama.com/blog/11-open-source-datasets-for-machine-learning/>

https://pub.towardsai.net/best-datasets-for-machine-learning-data-science-computer-vision-nlp-ai-c9541058cf4f?sk=f1b8356b013171d7796619e57d7555c9&source=friends_link&gi=fc6f2f62b4d

<https://www.kaggle.com/account/login?phase=startRegisterTab&returnUrl=%2F>