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**Bsc. (Hons) Artificial Intelligene & Data Science**

**Academic Year :** 2023/2024

**Semester :** 2

**Module Number :** CM2604

**Module Title :** Machine Learning

**Assessment Method Coursework :** Individual

**Deadline (time and date) :** 29th March 23.59 hr

**Submission Assessment :** Dropbox in the Module Study Area in CampusMoodle.

**Word Limit :** N/A

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# Contents

[Contents 2](#_Toc162612991)

[List of Tables 2](#_Toc162612992)

[List of Figures 2](#_Toc162612993)

[1. Abstarct 3](#_Toc162612994)

[2. Corpus Preparation 4](#_Toc162612995)

[3. Implementation 5](#_Toc162612996)

[4. Experiments 5](#_Toc162612997)

[5. Discussions 5](#_Toc162612998)

[6. Limitations 5](#_Toc162612999)

[7. Further Enchancements 5](#_Toc162613000)

# List of Tables

# List of Figures

**No table of figures entries found.**

# Abstarct

The dataset is used to complete the project is available on UCI. Adult dataset analysis is a supervised binary classification problem. The aim of the project is to predict whether a person makes over 50k a year

# Corpus Preparation

# Implementation

Github link: https://github.com/Manith-Ratnayake/Adult\_Income\_Census\_UCI

# Experiments

# Discussions

# Limitations

# Further Enchancements

The current prediction is used only two machine learning models. More results can be experimented and tested using different machine learning models. Logistic regression, Ada boost, Xgboost are some model examples.

# Appendix

# References

1. SPOTLESS TECH, 2021. *Census income dataset analysis using Python | income prediction machine learning model using XGBoost*. [online]. Youtube. Available from: https://www.youtube.com/watch?v=WULwst0vW8g [Accessed 29 Mar 2024].
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4. MADAN, A., 2021. *Adult Sensus Income Kaggle Dataset Analysis | Kaggle | Who earns more than $50K/year ??* [online]. Youtube. Available from: https://www.youtube.com/watch?v=reVAGcwOxH8 [Accessed 29 Mar 2024].
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