Trustworthy Machine Learning: Fairness Project

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Course on Trustworthy Machine Learning

Contents

1 Introduction **1**

2 Methods **2**

2.1 Data 2

3 Results **3**

4 Discussion **4**

5 Conclusions **5**

Bibliography **6**

1 Introduction

2 Methods

2.1 Data

(**patel2025loan**) provides a dataset of loan applications from the US and Canada, which we use to evaluate fairness in machine learning models. The dataset includes features such as applicant income, credit score, and loan amount, along with a binary target variable indicating whether the loan was approved.

2.2 Base Model Training

We trained two base models being a Random Forest and a Neural Network.

2.2.1 Random Forest

How we trained it and what results.

2.2.2 Neural Network

How we trained it and what results.

3 Results

4 Discussion

5 Conclusions

Use of AI tools

NOT YET FILLED