

# IDS703 Final Project Report

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## 1 Introduction

## 2 Methodology

### 2.1 Generative Model

### 2.2 Discriminative Model

- network description - hyperparameter tuning on synth data - application to real - transfer learning on real data
  - compare to model that has ONLY been trained on real?

## 3 Results

### 3.1 Benchmarking on Synthetic Data

as	precision	recall	f1-score	support
thanksgiving	0.939	0.952	0.945	2064
formula1	0.977	0.930	0.953	2076
covid	0.972	0.973	0.972	2011
championsleague	0.972	0.957	0.964	1971
crypto	0.937	0.931	0.934	1933
tesla	0.946	0.980	0.963	1984
holidays	0.930	0.949	0.940	1961

### 3.2 Benchmarking on Real Data

## 4 Conclusion