

APPLICATION OF DATA SCIENCE IN AVIATION INDUSTRY



by

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Submitted for the degree of

BSc Computer Science (Data Science)

HERIOT-WATT UNIVERSITY
DUBAI

September 2023

Abstract

In accordance with the Academic Regulations the thesis must contain an abstract preferably not exceeding 200 words, bound in to precede the thesis. The abstract should appear on its own, on a single page. The format should be the same as that of the main text. The abstract should provide a synopsis of the thesis and shall state clearly the nature and scope of the research undertaken and of the contribution made to the knowledge of the subject treated. There should be a brief statement of the method of investigation where appropriate, an outline of the major divisions or principal arguments of the work and a summary of any conclusions reached. The abstract must follow the Title Page.

Dedication

If a dedication is included then it should be immediately after the Abstract page.
I don't what it is actually.

Acknowledgments

I wanna thanks all coffee and tea manufacturers and sellers that made the completion of this work possible.

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Chapter 1

Introduction

1.1 Purpose

- This document is my initial dissertation for my BSc(Hons) Computer Science(Data Science) degree at the University Heriot-Watt Dubai.
- The purpose of this document is to outline the problem space, the proposed solution and the methodology that will be used to solve the problem.

1.2 Problem Space

- Optimization of airline scheduling and routing using genetic algorithms
- Forecasting demand for air travel using machine learning models
- Analysis of air traffic patterns and optimization of airspace management
- Analysis of aircraft safety data using data mining techniques

1.3 Other Publications/Research

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1.4 Hypothesis

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Col1	Col2	Col2	Col3
1	6	87837	787
2	7	78	5415
3	545	778	7507
4	545	18744	7560
5	88	788	6344

Table 1.1: Table to test captions and labels.