British Airways Data Science Virtual Internship

Welcome to the British Airways Data Science Virtual Internship! This repository contains the project files and resources for the British Airways Data Science Virtual Internship offered through Forage.

Internship Description

The British Airways Data Science Virtual Internship provides an opportunity to work on real-world data science projects in collaboration with British Airways. As an intern, you will gain practical experience in solving data science problems and applying machine learning techniques to airline-related datasets.

Throughout the internship, you will work on various tasks, such as data cleaning and preprocessing, exploratory data analysis, feature engineering, model development and evaluation, and more. The internship is designed to help you develop your data science skills and gain insights into the airline industry.

Getting Started

To get started with the British Airways Data Science Virtual Internship, Sign up for the British Airways Data Science Virtual Internship on the Forage website.

Task 1

- applying webscraping in unstructured data taken from the https://www.airlinequality.com/airline-reviews/british-airways
- analyze customer reviews using sentimental analysis to sort positive and negative reviews
- preparing a powerpoint representation to highlight our insights and analysis

Task 2

- creating a classification model to predict customer buying behaviour
- preparing a powerpoint representation to highlight our insights and analysis.

Submission:

- Once completed, submit the PowerPoint presentations for both tasks.

Note:

- Ensure compliance with website terms of service while scraping data.
- Use appropriate libraries and tools for sentiment analysis and machine learning.
- Structure the PowerPoint presentations with clear visualizations and concise explanations.
- Submit the PowerPoint presentations for both tasks upon completion.
- Ensure to have the necessary Python libraries installed (pandas, scikit-learn, matplotlib, textblob, wordcloud).
- Data files and output files are saved to specified directories.
- Review the code comments for better understanding of the implementation details.