Company Information:

Flyzy aims to make travel experience better and faster for the passengers in airports. The mobile application of Flyzy pipelines different services in airports like checking-in, ordering food, booking a lounge or cab. The company started in India in 2020 amidst Covid-19 to help airport passengers. The company is effectively using technology and got recognized by StartUp India (DPIIT) for its futuristic services. The application is available on android and iOS platforms. Flyzy has partnerships with major Indian international airports in Kolkata, Delhi, Mumbai, Bangalore, Chennai and Goa and many other smaller airports in India.

Website Link: https://flyzygo.com/
Theme: Data Analytics

Project Task 3: Project Requirement Analysis

Background Information

In the world of the digital era, we receive a flood of emails to our mail ids. In our ocean of email, it's extremely hard to identify important information about travel, bookings, purchase, product tracking details, etc. We need to separate and highlight these email information by creating coding datasets. we need to narrow it down by creating a customized flight travel
details page. The page must highlight the departure & arrival time, date, PNR number, etc. This gives the customer every required detail to make his/her travel easier.

Task Explanation

Please click here to download data.

There are various components of the emails like - Subject, Sender Emails, receiver Emails, Time/ Date, Body, Attachment

In this task, using the above field as inputs, you need to validate if the email is a travel booking confirmation or not based, if not then you have to categorize it as spam and remove it from your database. You can also use email classification for the same. You can use any approach as you think would be suitable for this process.

Resources

Machine Learning to Classify Emails and turn them into Insights

https://towardsdatascience.com/how-i-used-machine-learning-to-classify-emails-and-turn-them-i nto-insights-efed37c1e66

https://www.diva-portal.org/smash/get/diva2:1189491/FULLTEXT01.pdf

https://www.analyticsvidhya.com/blog/2021/06/automated-spam-e-mail-detection-modelusing-co mmon-nlp-tasks/

https://www.analyticsvidhya.com/blog/2020/06/nlp-project-information-extrac tion/ Machine Learning Algorithms for Email Classification

https://towardsdatascience.com/the-best-machine-learning-algorithm-for-email-classification 398 88e7b1846

https://www.datasciencecentral.com/profiles/blogs/email-classification-into-relevant-labels-using neural-networks

Task Submission

Summarise your work in a document that is easy to understand. Upload the video on the google drive and paste the link in the submission document. Submit your document which is either in .docx or .pdf format and the file size is not larger than 2MB. To submit this task you can go to the Project Task section of your dashboard and find Company Task 3 listed there. Click on choose file and upload.

Deadline

The assignment should be submitted by **Sunday, 5th June 2022.**