

Alpha Flight API



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Update the Website



Predict Delay

What's New?

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Alpha Flight API



Alpha Flight API

Our Hypothesis

We deeply apologize from all the people who have been excited for our API which will revolutionize the Field of Aviation but unfortunately it is not ready yet. The project is still in early development stages, hence we can not provide the API that will change the world(or at least our grades (which is my world :D)). When it is done however you will be able to enter this website and implement it to your project just like you would in the example below:

<http://www.omdbapi.com/>

In its current state the "Predict Delay" page asks user to input the delay they expect there to be and then outputs the exact same amount of delay (does basically nothing) using the following function:

$$f(x) = x$$

In the later stages we wish to implement a machine learning algorithm using a function similar to below with the features similar to below:

$$h_{\theta}(x) = \theta_0 + \theta_1 * x_1 + \theta_2 * x_2 + \theta_3 * x_3 + \theta_4 * x_4 + \dots + \theta_n * x_n$$

Feature Order	Feature Name
x1	Air Traffic
x2	Weather
x3	Crew Related
x4	Cargo Related
.	.
.	.
.	.
xn	Feature n

Predict Delay

Alpha Flight API



Estimated Delay is About:
10 min.

Get New
Estimate

What has been developed?

Alpha Flight API
V 0.1.0

Last week we have done the following;

- Get the website online
- Updated our python code
- Updated the website
- Fixed sinful typos in the website
- Fixed the javascript in the "Predict Delay" page
- Looked for more practical datasets (failed miserably)

On our website, "What is New?" we will include information that we have completed Weekly in the section. You can easily access the files we have prepared.

General Information of Project

Project : Alpha Flight API



The project Alpha Flight API is a machine learning application interface being developed by a group of students studying Computer Engineering at the Engineering Faculty of Istanbul Kultur University. The project aims to develop a machine learning program to predict airline delays and cancellations. It is a project assigned for CSE6064-Software Engineering Lecture. The group of 4 students developing this project made this website to update their instructor on the project on a weekly basis. Yet anyone is free to check out how the project is going and learn from what we experience completing this project.

-Group 24

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Project Documentator

Downloads

Our up to date python code



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Our JS Code



Last Updated:21/03/2021

Project Documentation



Last Updated:21/03/2021

Additional Resources



Last Updated:21/03/2021

From this section you can access the code, documentation and various resources that we have developed.