Secure: FW: Copernicus Data for Machine Learning

From: greg.langella@royallondon.ie
To: Greg Langella <greg.langella@hotmail.com>
Sent: July 15, 2023 9:09:58 AM, GMT+00:00
Attachments:

Dataset for Machine Learning.xlsx (17.2MB) EncodedValues.xlsx (17.5MB)

From: David Caswell <David.Caswell@royallondon.com>
Sent: Monday 12 June 2023 16:54
To: Greg Langella <Greg.Langella@royallondon.ie>
Subject: RE: Copernicus Data for Machine Learning

Hi Greg

Fine for you to proceed with the format and details you have outlined.

Good luck!

Regards

David

David Caswell

CIO RLI DAC

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From: Greg Langella <Greg.Langella@royallondon.ie>
Sent: Saturday 10 June 2023 18:16
To: David Caswell <David.Caswell@royallondon.com>
Subject: Copernicus Data for Machine Learning

Hi David,

Last time we spoke about next steps for using Copernicus data for the machine learning element of my masters thesis, you advised that the next step was to send you a dataset that I propose to use, and for you to then sign off on me using that dataset if you are happy with it.

I have attached the dataset I propose to use. It contains data from the PY_MFILE table of copprod_rep database, with each row being an application received and each column being a feature of that application. The last column states whether or not that application became a live policy (1 or 0). The goal is use all the other features to build a machine learning model that can predict (in percentage terms) the likelihood of that application becoming a policy.

In order to protect data as much as possible, I have encoded all categorical features to only show an integer that represents the actual value. So, the proposed dataset only contains numbers and dates, but no identifiable data.

Please let me know if you have any questions, and if you are happy for me to proceed with this dataset in the current form.

Kind Regards,

Greg Langella

Data Analyst

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