

Technical Manual

Process for Generating and Updating Predictions for Influenza and H1N1 Vaccines in Power App

Version

1.0

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Responsible

Group 6, Ciencia de Datos Aplicada 2024-2

Introduction

This manual outlines the technical steps required to integrate and automate the prediction process based on survey results. It includes details on data storage, prediction generation, and the subsequent updates to the Power App..

Prerequisites

1. **Execution Environment:** Access to the server: <https://vaccines-datahub.h1n1-season.com/api/v1>, where the prediction model is hosted and implemented.
2. **Software and Tools:** The prediction model (provided as an executable file or script).
3. **Stable Connection:** Ensure a stable connection to the Power App via Microsoft Teams using your corporate email account.
4. **Input Format:** A survey file in .csv format, containing the fields required by the prediction model. Proper configuration of the file storage path where the survey files will be deposited.

Steps for Executing the Process

1. Uploading the Survey File: The client must save the file with the survey results in the folder or path (<https://vaccines-datahub.h1n1-season.com/api/v1/survaey>) with the following fields:

Columna	Tipo
respondent_id	int64
h1n1_concern	float64
h1n1_knowledge	float64
behavioral_antiviral_meds	float64
behavioral_avoidance	float64
behavioral_face_mask	float64
behavioral_wash_hands	float64
behavioral_large_gatherings	float64
behavioral_outside_home	float64

behavioral_touch_face	float64
doctor_recc_h1n1	float64
doctor_recc_seasonal	float64
chronic_med_condition	float64
child_under_6_months	float64
health_worker	float64
health_insurance	float64
opinion_h1n1_vacc_effective	float64
opinion_h1n1_risk	float64
opinion_h1n1_sick_from_vacc	float64
opinion_seas_vacc_effective	float64
opinion_seas_risk	float64
opinion_seas_sick_from_vacc	float64
age_group	object
education	object
race	object
sex	object
income_poverty	object
marital_status	object
rent_or_own	object
employment_status	object
hhs_geo_region	object
census_msa	object
household_adults	float64
household_children	float64
employment_industry	object
employment_occupation	object

- The automated process that runs every day at 11:30 PM UTC updates the Power App's information, and the updated predictions are then displayed on the Dashboard.

If you have any questions, please contact us at **support@vaccines-datahub.h1n1-season.com**