Group Project Submission Template

Due Friday, March 28th at 1:00pm

AYITI ANALYTICS | Data Science Training & Research Center

INTRODUCTION

as a data analyst Ayiti Analytics Data wishes to extend its training centers to all the communes of the country. he contacted us and asked us to help them realize this dream. while taking into account the last cohort that took place in Port-au-Prince

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Problem

The problem is that Ayiti Analytics Data wants to extend its training centers to all the communes of the country.
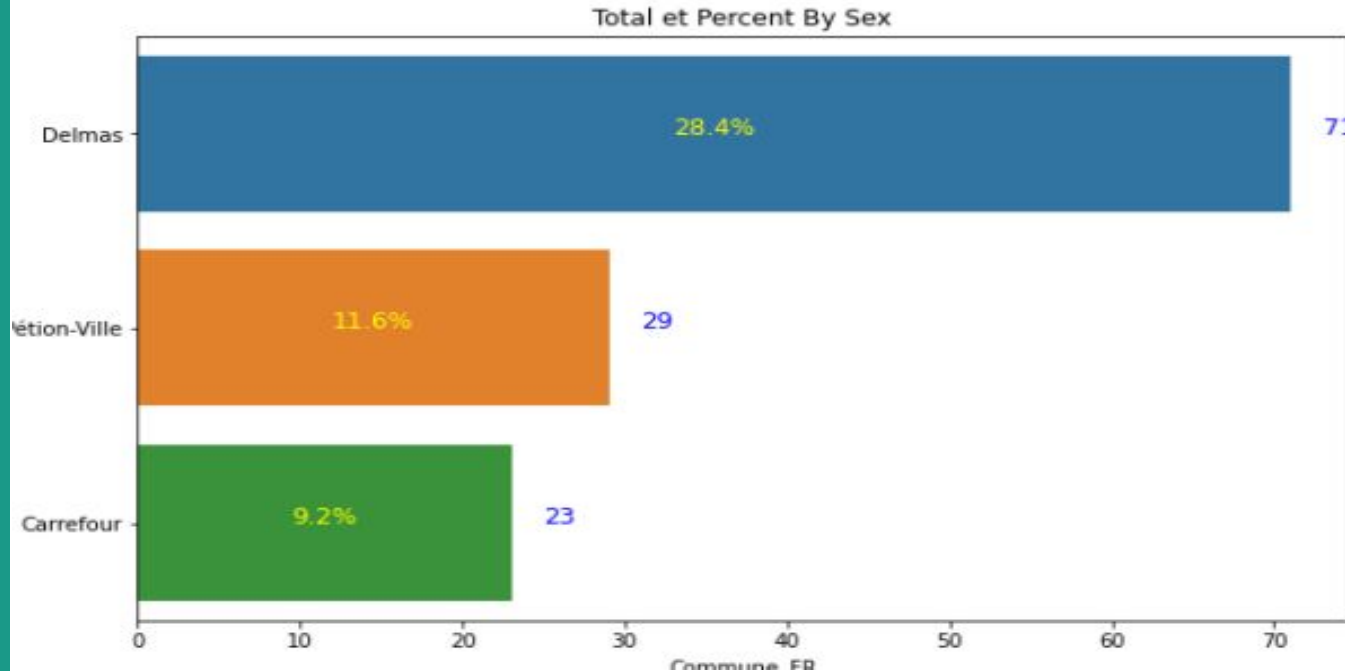
The goal is to find out which three communes in the country will be the most likely to expand its training centers. Since the objective of Ayiti Analytics is to train young people in the field of technology, not finding a suitable community could affect the Ayiti Analytics team in the sense that if they do not find a population that does not really correspond or meet their expectations, the team will not be able to really achieve its objectives, which could lead to a loss, and this loss could be related to specific skills, resources.

or because of the students' abandonment.

This problem will be of great magnitude for the Ayiti Analytics team as they might not get the desired percentage of girls for each on average or the total number of students, and this dropout will also be very loss making for them as they had already paid to join the 3rd cohort and will have missed the opportunity to find a job and a privileged access to a scarce resource (data science) which loss can be linked to specific skills, resources.
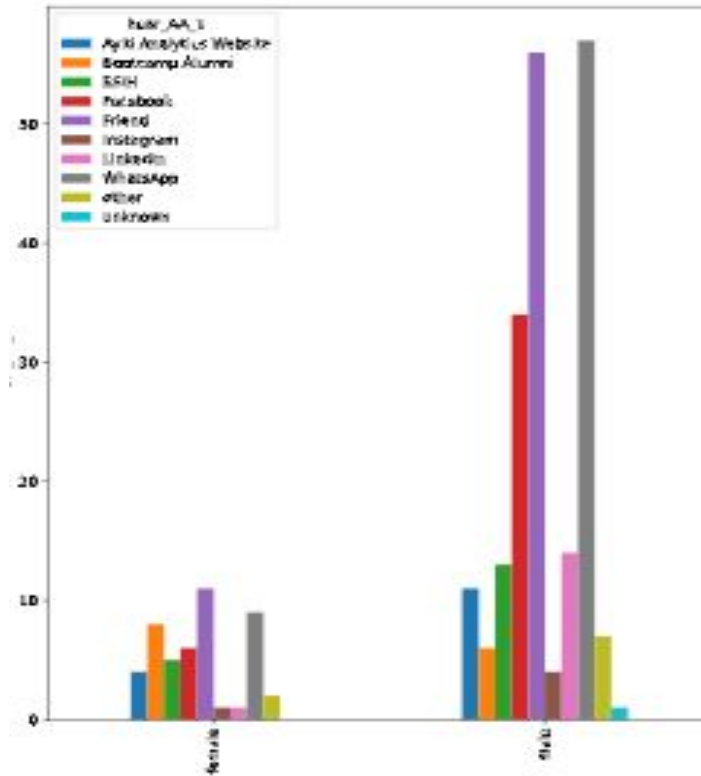
Results

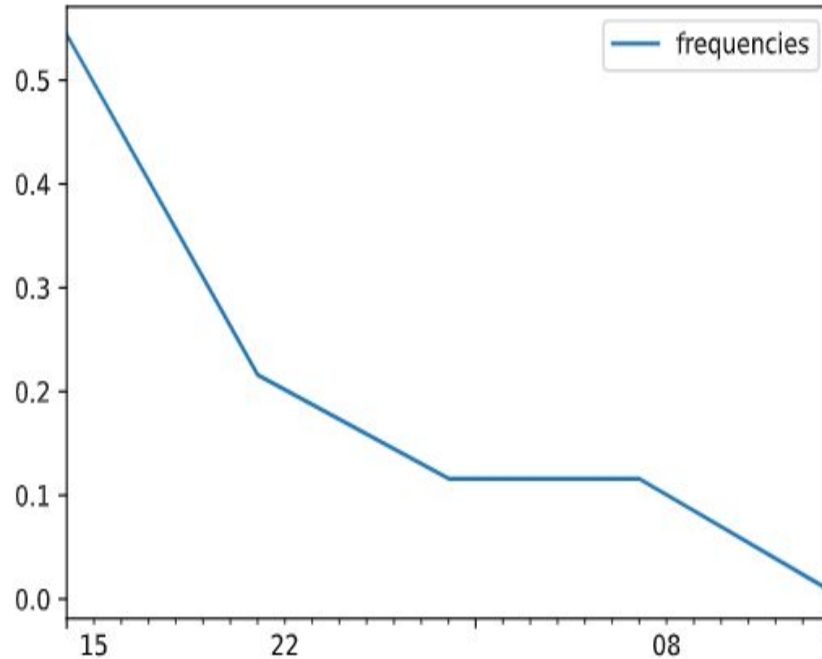Number of registration by Commune

Total et Percent By Sex

This graph displays the names of the people registered in each commune. It shows us, apart from Port-au-Prince, the 3 other communes that have the largest number of registrants which are Delmas with a percentage of 28.4, Petion-Ville with 11.6% and Carrefour with 9.2%.

Hear Ayiti Analytics

This graph shows the three most effective channel who will allow a women to be susceptible to selection, there are are : Friends , WhatsApp , Bootcamp Alumni.

Registration date par commune

This graph shows us that at the beginning of the first launch of the cohort there was a lot of enrollment in the first week and from the second week the number of enrollees dropped and so on.

Methodology

- ❏ METHODS, DATA SOURCES, AND CHOICE OF VARIABLES
- ❏ DATA PROCESSING AND ANALYSIS USING PANDAS,MATPLOTLIB, SEABORN, NUMPY.
    - WE HAVE USED A DATA SET THAT CONTAINS INFORMATIONS ABOUT THE FIRST COHORT THAT TAKES PLACE AT PORT-AU-PRINCE
    - CALCULATIONS HAVE BEEN MADE ON THE NUMBER OF REGISTERED, PAYING AND ENROLLED PERSONS
    - AND CREATED FUNCTIONS FOR DATA ANALYZE.WITH PANDA NUMPY
    - WE USE MATPLOTLIB AND SEABORN TO MAKE THE GRAPHES

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Discussion & Proposed Solution

After analyzing all the data we could see that less than 20% of girls have applied to this training center and we can have a much more excessive ratio. According to our analysis, the majority of candidates have access to their own equipment, i.e. a computer and an internet connection.

I highly recommmended Ayiti Analytics to implant theirs next data training center at : "Delmas , Pétion-Ville, Carrefour".

SOLUTION

STRENGTHS	Based on the choice of these communes: Delmas, Pétionville and Carrefour: -High percentage of students who have access to the internet at home.	Based on the choice of these communes: Delmas, Pétionville and Carrefour: -High percentage of students who have access to the internet at home.	
WEAKNESSES	Given the insecurity in the country and the coronavirus, we risk facing a lack of high-speed internet connectivity in different areas:	-Lack of high speed internet connectivity in different areas -Difficulty for the teachers to teach the course in a given time	-Lack of progress at its own rate and poor assimilation of courses.
CHALLENGES	Apprehension du Numerique		

References & Appendices

- ❏ Ayiti Analytics data set
- ❏ Google for the image

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RECOMMENDATION

Based on the data from Ayiti Analytics the best way to learn is by direct practice of what we do and experimentation we recommend that the courses be much more practice oriented or using a simulator.

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Present Team Member

- Team Member: ketenie Flore Thénéus