

**Ayiti Analytics project
bootcamp
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Introduction



In its mission to train a new Haitian generation in the field of technology, ayiti analytics has contacted us to help it find three communes in which it can implement its bootcamp project already realized in port_au_prince.

Problem



Ayiti Analytic is an institution that evolves in the technological environment in Haiti, it aims to train young data scientists from intensive training . In this regard, the board of directors aims to expand these learning centers to three other municipalities in the country besides Port_au_Prince. Therefore, their problem is to identify the three communes in which the training centers will be best implemented.

The stakeholders of this project are ayiti analytics and young haitians. This project is important because it allows ayiti analytics to accomplish one of its missions.



Methodology



To realized this project, we used:

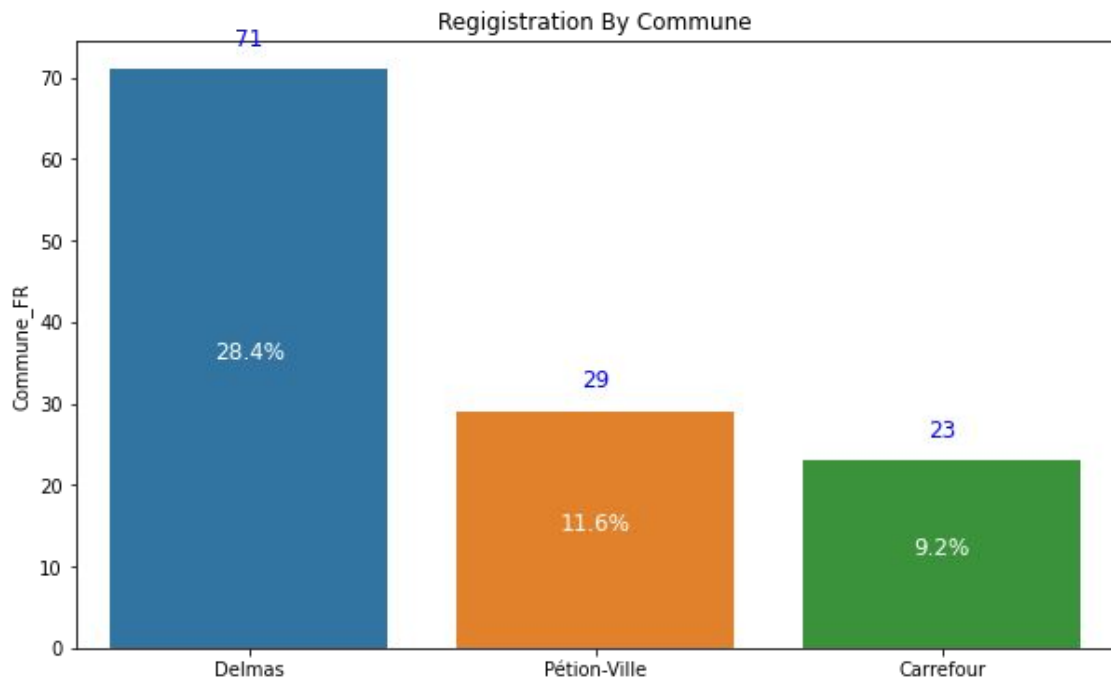
- ❑ Ayiti Analytic bootcamp Dataset
- ❑ Data processing and Analysis using pandas,matplotlib, seaborn, numpy.
- ❑ we cleaned,

We calculate the:

- ❑ quantity of applications per municipalities.
- ❑ quantity of attendee which have internet or computer per municipalities.
- ❑ Ratio of registration per week.

Results

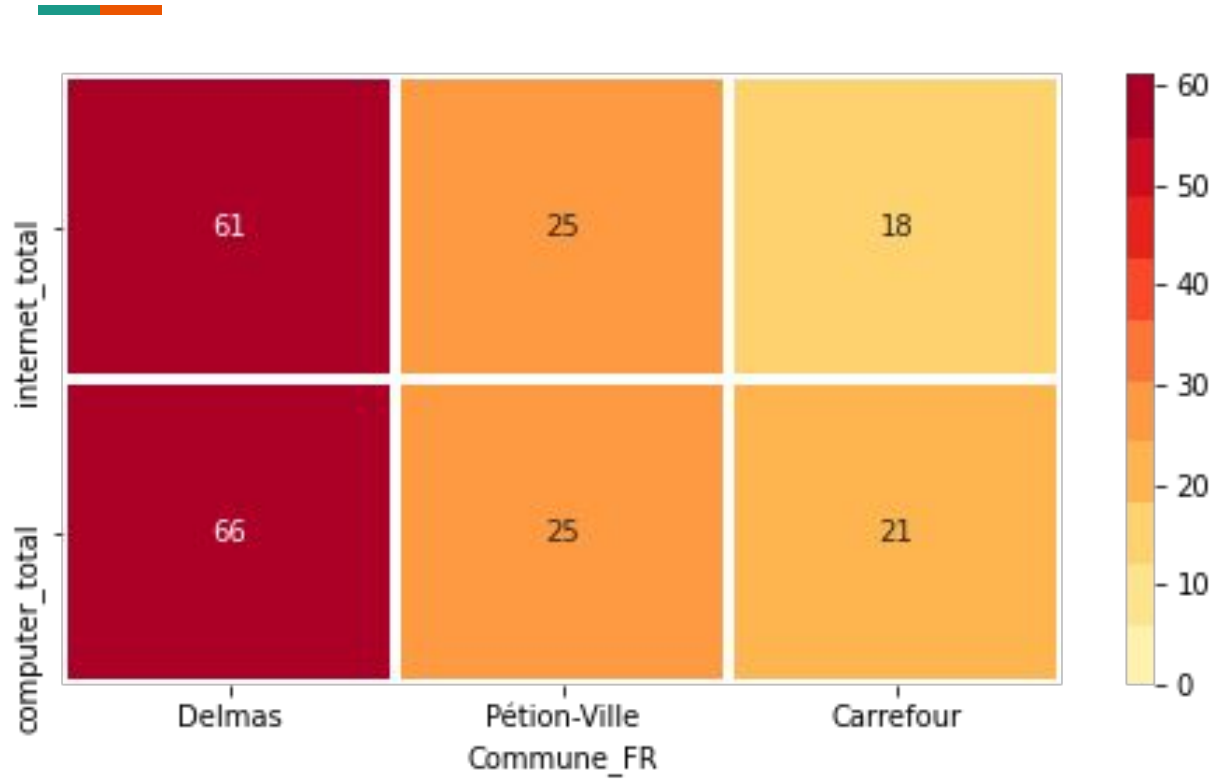
Number of registration per commune



This graph By looking at the number of people enrolled in each commune, this graph shows that the three other communes besides Port-au-Prince that have a greater number of enrollees are Petion_Ville, Delmas and Carrefour.

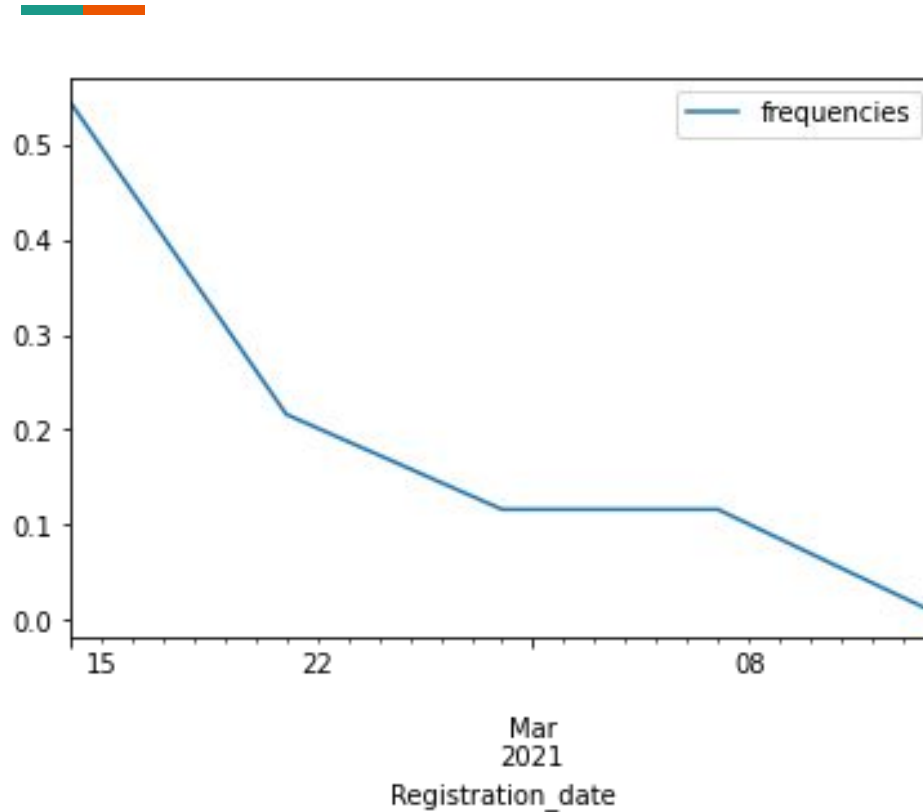
That is 28,4% for Delmas, 11,6% for Petion_ville and 9,2% for carefour.

Quantity of people which have internet and computer by Municipalities



Out of the 250 people registered, a total of 104 people from the communes of Delmas, Pétion_Ville and Carrefour have access to the internet. And 122 people have a computer.

Trend of Registration By Week



This graph shows that the trend of registered by week is decreasing

Insight

https://colab.research.google.com/drive/1qsGY_5mbu3OOxk_RArLKUEmPrUHCKOGO#scrollTo=xyGmb14q6HBn&line=6&uniqifier=1

- ❖ on a total of 35 communes the three communes have a total of 123 enrolled out of 250 .
- ❖ If the bootcamp has to become totally online either because of covid-19 or political instability, these three communes will be more apt to receive the centers
- ❖ There is a
- ❖ large number of women registered in these communes, 16.90% (12 girls out of 59 registered) of the total registered in the commune of Delmas, 13.79% for Petion-Ville and 28.57% for the commune of Carrefour.

Discussion & Proposed Solution

Based on these analyses and the objective that your institution has set for itself, we propose that you expand the scope of the program, we propose two solutions.

Solution 1

Expand your centers in the communes of Petion_ville, Delmas and Carrefour because:

- ❖ They have a large number of registered
- ❖ A large part of the applicants have internet and computer
- ❖ A large number of girls have applied in these communes

Solution 2

To avoid being concentrated in one department, and given the difficulties that the commune of Carrefour is going through at this time, you can also choose to prioritize another commune on Carrefour including the commune of Cap-Haitien.

Solution 1

Expand your centers in the communes of
Petion_ville, Delmas and Carrefour .

STRENGTH

- you will find many applicants.
- It will be easier to respect
- the percentage of women these three communes are located in the east.
- reduction of the cost of transportation.

WEAKNESS

- Lack of diversity between departments
- Potential problem with face-to-face teachers

CHALLENGES

- Start and finish training at the same time.
- Management of a larger database

Solution 2

Choosing one municipality in another department

STRENGTH

- Possibility of greater diversity in terms of departments
- Dispersion of centers in key municipalities of the territory
- More visibility

WEAKNESS

- Increase of the expenses for Ayiti analytics

CHALLENGES

- To give the same quality of training on the territory
- To find a good team (organizers, partners, sponsors) to manage the project of cap_Haitien in agreement with the board of directors.

Recommendation

Based on the data of ayiti analytic bootcamp, we can recommend:

- ❖ To put the factor of electricity in the sheet enroll. because a person can be interested but can not work online without electricity
- ❖ If you want to reach a maximum of people possible during your applications, you have to change your marketing policy. Ayiti analytics is passive on the networks



References & Appendices



- Ayiti Analytics bootcamp data set
- Google for the images