**“Factors explaining the intention to use a modern contraceptive**

**Method”**

**Moïse MASSON**

**0 3-09-2021**

**Project Description**

My favorite topic for my Capstone's Project is related to family planning. As we all know, the birth rate in Haiti is in full swing and Family Planning allows each person to control the desired number of children and avoid unwanted pregnancies. However, modern contraceptive methods are still unknown to the population.

This problem concerns women of childbearing age, particularly those in couples and/or those with sexual partners. However, not all couples or even all women have the same contraceptive practices. This difference, which is sometimes a source of conflict, could be due to the socio-economic characteristics of the two partners.

**Interests**

In my neighborhood (Brochette-Carrefour), many young girls have become pregnant involuntarily and even some of their friends have experienced this tragedy. This is why my project proposal is entitled: "Factors explaining the intention to use a modern contraceptive method".

* The data that will be used comes from the Mortality, Morbidity and Service Utilization Survey (EMMUS VI) conducted in 2016. During the course of this work, we will be required to use
* Machine Learning procedures to model the available data.

**The issue**

My project aims to question women's intention to use contraceptive methods. In other words, it asks whether the socio-economic characteristics of women/sexually active partners could influence the choice of women using these methods. The most popular ones include oral contraceptive pills, implants, injectable contraceptives, contraceptive patches, vaginal rings, intrauterine devices, condoms, male or female sterilization.

* This project targets public authorities, especially the MSPP, international

organizations/donors and NGOs working in reproductive health and family planning

Source of data

* The data that will be used are from the Mortality, Morbidity and Service Utilization Survey

(EMMUS VI) conducted in 2016.

* These data are available upon request from the MSPP.

**Analysis Goals**

In terms of analysis, the objective is to verify the following hypotheses: The Intention to use a modern contraceptive method (MCM) is characterized by:

1. The educational level of the woman and/or sexual partner;

2. Number of children of the woman and/or partner

3. Number of partners

4. Partner's age;

5. Common pregnancies;

6. The previous use of an MCM;

7. Being informed about an MCM;

8. The partner's desire for a child;

9. Professional activity;

10. Sexual activity rate

Appropriate analyses will provide further insights into this project, which could provide a socioeconomic profile of those women who intend to use a modern contraceptive method