**Project Summary:** This project investigated women's unmet need for contraceptives in an effort to understand why and to identify who is likely to have an unmet need.

**Significance:** Unmet need for contraceptives is a useful tool in evaluation family planning progress. Meeting need for family planning is the first step in improving prenatal, maternal, and infant health outcomes.

**Data:** This project will utilize data from DHS surveys in Haiti from 2012 and 2015-16. Codes for processing and analyzing data are available in <https://github.com/emilyracker/unmet_need.git>. A detailed guide to data management can be found in /documentation/data\_management\_plan. In summary: raw data can not be shared, but codes and methodology will be freely shared on github.

**Accessing Data:**

1. Register to use DHS data sets at <https://dhsprogram.com/data/new-user-registration.cfm>
2. Request data for Haiti (This request is usually processed in 1-3 business days)
3. Download 2016-2017 Standard DHS data, Individual Recode ([HTIR70DT.ZIP](https://dhsprogram.com/customcf/legacy/data/download_dataset.cfm?Filename=HTBR70DT.ZIP&Tp=1&Ctry_Code=HT&surv_id=503&dmode=normal))
4. Download 2012 Standard DHS data, Individual Recode ([HTIR61DT.ZIP](https://dhsprogram.com/customcf/legacy/data/download_dataset.cfm?Filename=HTBR61DT.ZIP&Tp=1&Ctry_Code=HT&surv_id=368&dmode=normal))
5. Rename raw data folders as haiti\_2016 and haiti\_2012, respectively
6. In haiti\_2016, HTIR61FL.DTA >rename> 1.0\_haiti\_2016.DTA
7. In haiti\_2012, HTIR70FL.DTA >rename> 1.0\_haiti\_2012.DTA

**Research Questions & Model:**

1. What are the reasons women are not using contraceptives in Haiti?
   * 1. Summary of variables
2. Who has an unmet need for contraceptives in Haiti?
   * 1. Logit model
     2. **Dependent variable:** unmet5 (unmet need for aid, definition
     3. **Independent variables:** Several variables including demographics, education, wealth, and intimate partner violence
3. What is the relationship between intimate partner violence and using health services?
   * 1. OLS, Logit, and Probit models
     2. **Dependent variable:**Visit\_healthfac (visited health facility in last 12 months)
     3. **Independent variables:** Several variables including demographics, education, wealth, access, and intimate partner violence

**Validation:** This project relies on previous literature to validate findings. See report/Investigating Unmet Need in Haiti for sources used and cited.