3/18:

-how to read by residence (urban + rural) and region?? —> Characteristic Groups?? (possible to get… just not sure how yet)

<http://api.dhsprogram.com/#/api-countries.cfm>

<http://api.dhsprogram.com/rest/dhs/surveys?returnFields=SurveyId,SurveyYearLabel,SurveyType,CountryName&f=html>

<http://api.dhsprogram.com/rest/dhs/indicators?returnFields=IndicatorId,Label,Definition&f=html>

<http://spatialdata.dhsprogram.com/home/>

<http://www.statcompiler.com/en/>

4/3:

<http://api.dhsprogram.com/rest/dhs/indicators?f=html>

<http://spatialdata.dhsprogram.com/resources/> (QGIS training curriculum?)

Health indicators:

* Marshall Plan (6. Health) has requests for the following
  + Sexual and reproductive health info
  + Counseling on family planning and contraceptive methods
  + Counseling on sexual and reproductive health
  + Quality obstetric and antenatal care for pregnant women and girls
  + Prevention, diagnosis and treatment of STIs, including HIV
* STAT compiler has this data:
* Survey characteristics: <http://api.dhsprogram.com/rest/dhs/surveycharacteristics?f=html> (each SurveyCharacteristicID is specified by an integer – i.e. Abortion, Alcohol consumption, etc.)
* Default data format is JSON (<http://api.dhsprogram.com/#/api-surveycharacteristics.cfm)>

Decision: use Leaflet… seems like tutorial is better, and easier to use?

How to connect with JSON from REST API: maybe scrape the data once, then store/parse that JSON data for relevant data we need in order to display on the map?

ACTION ITEMS FOR NEXT SESSION:

1. ~~Leaflet.js tutorial: try to get an html page where a map of Africa gets displayed (Leaflet Quick Start Guide) (1.5 – 2 hr) -~~ [~~http://leafletjs.com/examples/quick-start/~~](http://leafletjs.com/examples/quick-start/)
   1. ~~Good tutorial for getting started:~~ [~~https://asmaloney.com/2014/01/code/creating-an-interactive-map-with-leaflet-and-openstreetmap/~~](https://asmaloney.com/2014/01/code/creating-an-interactive-map-with-leaflet-and-openstreetmap/)
   2. Hard-code a JSON file with data manually queried using API
2. Reach: get boxes to appear around countries (this just depends on the map?) but maybe can also do hover…
3. Finish introduction until summary sections (0.5 – 1 hr)

4/4:

Progress:

* Created <https://liucindy.github.io/iw2017> and updates to repo will be reflected on page
  + Managed to get map “centered” on African subcontinent by fiddling with latitude and longitude numbers in africa.js script

Action items for next work session:

1. Better understanding of access token and how MapBox/OpenStreetMap fits into everything? GET MAPBOX MAP TO SHOW UP
2. Get an overlay of country borders (<https://github.com/topojson/world-atlas)>
3. Research how to represent number values by size of circle or color of coloring country?
4. Think about/decide how to store all the scraped data and then how each individual value for each country will be stored?
   1. How to color countries? Shouldn’t use markers? Will I need to hard-code coordinates of all markers?
   2. Maybe can scrape data for all countries and store in a JSON file, but how to incorporate with GeoJSON if don’t have latitudes and longitudes for