FRED Web Analytics

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This document describes how to view FRED simulation results using the FRED web site.

First, aim your browser at `http://fred.publichealth.pitt.edu`.

Note: If you access the site from a mobile device, you will redirected to the mobile site. Click on the **Full Site** button to access the full web site from a mobile device.

Now click on the **Analytics** tab. The **Analytics Page** lets you access a large number of previously run FRED simulations. You can select results by location or by population characteristics.

Results by Location

1. Choose a country, state and county for any US location. Selected international locations are also available.
2. Click **Get Results**.
3. The **Results Page** will display a set of pending requests and a set of completed requests. Each job has a *key* that includes the FIPS code for the location and the value of key parameters. For example, the key **FIPS=42003_R0.05.2** indicates that the location is Allegheny County, PA (FIPS code 42003) and the epidemic is calibrated to a basic reproductive number of R0 = 1.2. Clicking on the key will take you to the results for that FRED job.
4. The results page for a FRED simulation includes:
    - The set of FRED parameters used to set up the job.
    - A movie showing the spread of the epidemic in the selected location.
    - Plots of the daily **Incidence**, **Prevalence**, and **Attack Rate** (cumulative incidence). The plots may also include the plots for the baseline case with no interventions.
5. You can also download the incidence and symtomatic_incidence data from the linked csv files.

Results by Population Characteristics

1. Choose a population size, population density, and disease transmission. Click on **Get Results**.
2. You will see a list of all US counties that match the selected population size and density characteristics.
3. Click on **Visualize** to go the the results page for that county.
4. Click on **Download Incidence Data** to access a csv file for the given simulation.

Feedback?

We are very interested in receiving feedback about the FRED web site. Please send any comments or suggestions for new features to **gref@pitt.edu**. Thanks!