Kosovo Mosaic Visualization Documentation

|  |  |
| --- | --- |
| **Document** | Kosovo Mosaic Visualization Documentation |
| **Version** | 0.1 |
| **Last Updated** | 27 November 2015 |
| **Updated by** | Brett Romero |

# Introduction

The Kosovo Mosaic visualization is a tool designed to help users understand and explore data collected as part of the Kosovo Mosaic project. This data contains a variety of data points reflecting the level of satisfaction or dissatisfaction of citizens for a range of public services and processes.

The visualization is designed to provide access to this data in a user-friendly way while also allowing even basic users the ability to drill down to the detailed statistics relevant to their municipality.

# Structure

The visualization is built almost entirely with structured as javascript and html

Incorporates 5 individual charts (4 of them distinct). These includes a

A Highcharts map

A D3.js Aster Chart (used in 2 separate locations)

A Highcharts stacked column chart

A Highcharts line chart

# Updating

The Kosovo Mosaic visualization has been designed in such a way that the visualization is as dynamic as possible. In practical terms, this means that by updating the underlying data files, the visualization should also update and render correctly. All information should render correctly on the page provided any new data is provided in the correct structure, and is processed correctly.

## Introduction to Github

Currently, the entire visualization is being hosted, free of charge using GitHub. Github is a service that allows users to create public ‘repositories’ to store code, free of charge. As of 2015, GitHub added a new service named ‘gh-pages’. This service provides users with free hosting if the repository is a web site/app and the repository is structured in a certain way.

Assemblio, in creating this visualization, has utilized this service as a way of guaranteeing free hosting and easy maintainability.

### Accessing the Repository

### Cloning the Repository

## Updating the Data

### Data Structure

## Converting the Files

Run the python script which will recreate all the files as needed for the application.

### Pushing the Changes Online

Push to master

Push to gh-pages