Streamgraph Project 2 Proposal

**Group** **Members**: Erik Jakubowski, Leon Tan, Ruth Ineh, and Evan Ouimet

**Overarching Thought:**

Are You Making Enough to Survive?

This is a visualization that tells a story based on Median Household Income and Cost of Living across the United States using GeoJson mapping format.

**Problem Statement:**

Based on the living location with a given annual income are people making enough money, are they able to save after their needs?

**Plan**:

Visualizing Median Household Income vs Cost of Living through a GeoJson mapping-format color concentration in each state. Our group plans on leveraging the Python Flask app to return data (json) from the MySQL database, visually render the data in the browser with HTML and Javascript, while using D3 and perhaps using Leaflet or plotly for any additional plots we think would fit. Our end result should look like a user-driven dashboard interaction web page (subject to change).

**Data (links):**

https://www.kaggle.com/goldenoakresearch/us-household-income-stats-geo-locations (primary)

https://www.kaggle.com/zillow/rent-index (TBD)

https://www.kaggle.com/muonneutrino/us-census-demographic-data (TBD)

**Primary GitHub Link**: <https://github.com/inehho/Streamgraph/>

**Relevant Visualizations:**

<http://dimplejs.org/examples_index.html>

<https://github.com/Asymmetrik/leaflet-d3>

The additional JS libraries that we are looking supplementing our material with include:

https://github.com/markmarkoh/datamaps

https://github.com/metricsgraphics/metrics-graphics

https://github.com/mrdoob/three.js/

https://github.com/metabase/metabase

https://github.com/TargetProcess/tauCharts

https://github.com/markmarkoh/datamaps

https://www.kaggle.com/debdutta/cost-of-living-index-by-country

We haven't finalized most of this yet and are open to additional suggestions as well.

Filter criterias: