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CRP 558

Final Project Proposal

**Mapping the Poverty Indicators and Reasons in the US**

**Elevator Speech**

The aim of the project is to create a series of thematic maps based on the state-wise data of the reasons of poverty (amount of the gross domestic product, cost burden of housing, percentage of illicit drug use) and the indicators of poverty (percentage of people below poverty line, racial distribution, number of homeless people and so on). The maps will help to explain the interrelationship of various reasons and indicators of poverty in the US.

**Abstract**

The three primary reasons for poverty in the US are poor economy, lack of affordable housing and drug abuse. In addition, different indicators like ethnic and racial distribution of population, the number of homeless people, the percentage of people poverty line play a significant role in depicting the status of poverty. In the final project, I will try to illustrate these reasons and indicators in forms of thematic Maps. The final output will help the viewers to make a comparison amongst the reasons and indicators and to identify where the improvement is needed. most

**Technology**

Leaflet

Awesome markers

jQuery

JSON

JavaScript.

**Data** **Sources**

I am planning to use the following data:

|  |  |
| --- | --- |
| **Data** | **Sources** |
| State wise gross domestic product | Bureau of Economic Analysis |
| Percentage of people poverty line | National Institute of Drug Abuse |
| Cost burden of Affordable Housing | HUD |
| Percentage of people below poverty line | povertyusa.org |
| US population distribution | US factfinder |

The data of different sources are mostly available in CSV format. Therefore, for the purpose of the study, I might need to convert them to JSON format by Mygeodata converter.

**Challenges**

I am retrieving a huge amount data from different sources. Therefore, the main challenge I see is to manage the dataset, filtering the data and using it properly in the project. However, new challenges might arise while working on the Project