The United States Census Bureau conducts an annual survey called the American Community Survey (ACS) where the bureau contacts over 3 million randomly selected households across the country to gather information on income, sex, race, poverty, employment, transportation, and other variables.

The dataset I obtained from <https://www.kaggle.com/muonneutrino/us-census-demographic-data> shows five-year estimates for variables in the dataset for each politically designated county in the United States.

|  |  |
| --- | --- |
| **Variable Name** | **Variable Description** |
| CensusID | Census Tract ID |
| State | State Name |
| County | County or county equivalent |
| TotalPop | Total population |
| Men | Number of men |
| Women | Number of women |
| Hispanic | Percent of population that is Hispanic/Latino |
| White | Percent of population that is White |
| Black | Percent of population that is Black |
| Native | Percent of population that is Native American or Native Alaskan |
| Asian | Percent of population that is Asian |
| Pacific | Percent of population that is Native Hawaiian or Pacific Islander |
| Citizen | Number of citizens |
| Income | Median household income estimate, in dollars |
| IncomePerCap | Income per capita estimate, in dollars |
| Poverty | Percentage under poverty level, response variable |
| ChildPoverty | Percentage of children under poverty level |
| Professional | Percentage employed in management, business, science, and the arts |
| Service | Percentage employed in service jobs |
| Office | Percentage employed in sales and office jobs |
| Construction | Percentage employed in natural resources, construction, and maintenance |
| Production | Percentage employed in production, transportation, and material movement |
| Drive | Percentage commuting alone in a car, van, or truck |
| Carpool | Percentage commuting in a car, van or truck |
| Transit | Percentage commuting on public transportation |
| Walk | Percentage walking to work |
| OtherTransp | Percentage commuting via other means |
| WorkAtHome | Percentage working at home |
| MeanCommute | Mean commute time, in minutes |
| Employed | Percentage employed, ages 16+ |
| PrivateWork | Percentage employed in private sector |
| PublicWork | Percentage employed in public sector |
| SelfEmployed | Percentage self-employed |
| FamilyWork | Percentage in unpaid family work |
| Unemployment | Unemployment rate, as percentage |