

Overview:

The United States Census Bureau (USCB), officially the Bureau of the Census, is a principal agency of the U.S. Federal Statistical System, responsible for producing data about the American people and economy. The Census Bureau's primary mission is conducting the U.S. Census every ten years, which allocates the seats of the U.S. House of Representatives to the states based on their population. The Bureau's various censuses and surveys help allocate over \$675 billion in federal funds every year and it helps states, local communities, and businesses make informed decisions. The information provided by the census informs decisions on where to build and maintain schools, hospitals, transportation infrastructure, and police and fire departments.

Attributes information:

ID	Unique identifier for survey participant
age	Age at time of participation
workclass	employment status
education	education level of education
education.num	level of education
marital.status	marital.status
occupation	occupation
relationship	relationship
race	race
Gender	Gender
capital.gain	profit one earns on the sale of an asset like stocks, bonds or real estate
capital.loss	loss one incurs on the sale of an asset like stocks, bonds or real estate.
hours.per.week	number of working hours per week
native.country	native.country
income	annual income(Label)
Income_value	Actual income

Business requirements

You can support the business in various ways including and not limited to:

- Provide at least three key insights that can add value to the business
- Is there a relationship between age and income?
- Build a machine learning pipeline to predict (income) of participation

Deliverable Layout

You are expected to deliver your key insights and recommendation in the form of a presentation that covers the following aspects – when applicable -:

- Business challenge: Introduce why this is analysis important and what kind of problem we are trying to solve
- Analysis and Insights: Present any interesting insights, patterns, behaviors, visualizations extracted from data.
- Recommendations: Suggest actions the business can take to improve decisions making process.