

Summary/Synopsis: The project aimed to determine the correlation between median household income and debt in the US, covering the years 2003 to 2016. Data from multiple reputable sources were imported, cleaned, and analyzed using R, focusing on average income and debt at the national level. Visual analysis, represented by combined line and point graphs, revealed a surprising positive correlation—contrary to initial expectations—that as income rose, so did debt levels. The analysis suggested that increased confidence from higher incomes may lead households to take on more debt. Limitations included the scope of the analysis and my level of proficiency with R, which influenced the project approach and simplification of certain aspects.