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Shiny App Project – Stat 613

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We have chosen to work with public data available from the Bureau of Labor Statistics. The Bureau of Labor Statistics has been a part of the U.S. Department of Labor since 1913 and “measures labor market activity, working conditions, price changes, and productivity in the U.S. economy to support public and private decision making.” We have chosen this data to review, on the aggregate, the employment status of the U.S. population 16 years and older, broken down by sex over the years of 1980 to 2020. Specifically, we created a Shiny App that first displays a scatterplot for a population group chosen by the user over the 40-year period. The user may also select whether to display the data for Men, Women, or both Men and Women. We then have the user choose a year to isolate and display a data table for the selected year. This Shiny App offers a big picture review of general trends in the U.S. working force and can be manipulated to review specific years, population groups, and sexes.