

Work Hard Play Hard: U.S. Time Spent on Work and Leisure

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Team Members

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Description

- The ATUS (American Time Use Survey) measures the amount of time people spend doing various activities, such as paid work, childcare, volunteering, and socializing.
- Are US citizens spending more time working vs leisure activities pre covid vs post covid?
- How did covid affect work vs leisure time?
- Do demographics impact the time spent on work vs leisure?

Prior Work

- Henry Lindberg used survey data from 2017 to visualize the income distribution of participants of American's pastimes
 - https://www.reddit.com/r/dataisbeautiful/comments/6heb75/income_distributions_in_americans_pastimes_oc/
- USA Today used ATUS data to provide a snapshot of the average American day and show work from home is persisting as a trend
 - <https://www.usatoday.com/story/graphics/2023/07/06/american-time-use-survey/70358298007/>

Datasets

- Bureau of Labor Statistics
 - American Time Use Survey
 - <https://www.bls.gov/tus/>
 - Downloaded to my machine

Proposed Work

- Data Cleaning:
 - No Cleaning Needed
- Data Preprocessing:
 - Filter years that are being analyzed
 - Filter activity attributes
- Data Integration:
 - Blend activity dataset and respondent dataset
 - Both from the same survey
- Data Exploration:
 - Understand the distribution of the data
 - Correlations

Tools

- Python
- MatLab
- Excel: Just in Case

Evaluation

- Significance Testing on time spent working pre covid compared to post covid
- Differences in types of work activities and leisure activities , pre covid and post covid
- Regression testing to predict leisure activities based on work and demographic attributes