**Time Spent – Gender Divide Case Study**

* Article Source: <https://www.nbcnews.com/data-graphics/men-do-housework-women-still-do-more-rcna216748>
* Data Source: <https://www.bls.gov/tus/>

**Goal**: Obtain the necessary summaries so that one can recreate the following graph.

A graph of a number of people

AI-generated content may be incorrect.

Complete the following actions using Tableau Prep (

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| ***Action #1*** | Open TimeSpent\_GenderDivide.tflx file. This file has the initial step of reading in *all* the Time Use Summaries files from 2003 through 2024. The files from each year have already been UNIONed together in this initial step. |
| ***Action #2*** | RECODE SEX as 1=Male, 2=Female |
| ***Action #3*** | Use a SPLIT action on the File Paths to obtain a new variable which identifies the YEAR for each record. |
| ***Action #4*** | STACK all the TU\_Code columns. |
| ***Action #5*** | AGGERGATE to obtain a TOTAL amount of time for all household activities for each person. Include Year and Sex in this aggregation as these variables will be needed later in the data pipeline. |
| ***Action #6*** | AGGERAGE to obtain the AVERAGE amount of time spent by Year\*Sex. |
| ***Action #7*** | [OPTIONAL] Save the output from the above data pipeline into a \*.csv file. This file will be used to create the desired plot. |

**Additional Action**: The subtitle of the graph states “Women did 40% more household work than men in 2024”. Reshape the resulting table from the above data pipeline to make separate columns for Males and Females. Next, compute the percentage increase between Females and Males across all years.

Question: How has this percentage changed over the years?