Ask Watson about how Americans use time
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Introduction
- We would be questioning Watson about American life activity in the natural language and it would be giving us answers.
- This project introduces a novel approach of combining data analytics and cognitive power to get better insights out of the dataset.

Solution
- Performed statistical operations on the dataset using ‘Numpy’ and ‘Scipy’ libraries of Python.
- Generated data visualizations using ‘Numpy’ and ‘Plotly’ libraries of Python.
- The intents and entities were extracted from the statements generated by the analysis. Watson was trained using these intents and entities to create the chatbot.

Conclusion
- The new approach helped in getting a better understanding about American life.
- The inbuilt machine learning algorithm used by Watson on a high level was understood.

Design & Implementation

- Questions
- Answers
- Watson Assistant chatbot
- Intents, Entities and Dialogues
- ATUS dataset
- Convert results to statements
- Statistical Analysis

Future Work
- Predicting which activity one would be performing based on the current time of the day.
- Train Watson to identify more than one intent and integrate Text-to-speech Watson service.

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References: