READ ME!

By: Talia Colalancia, Jihoon Jang

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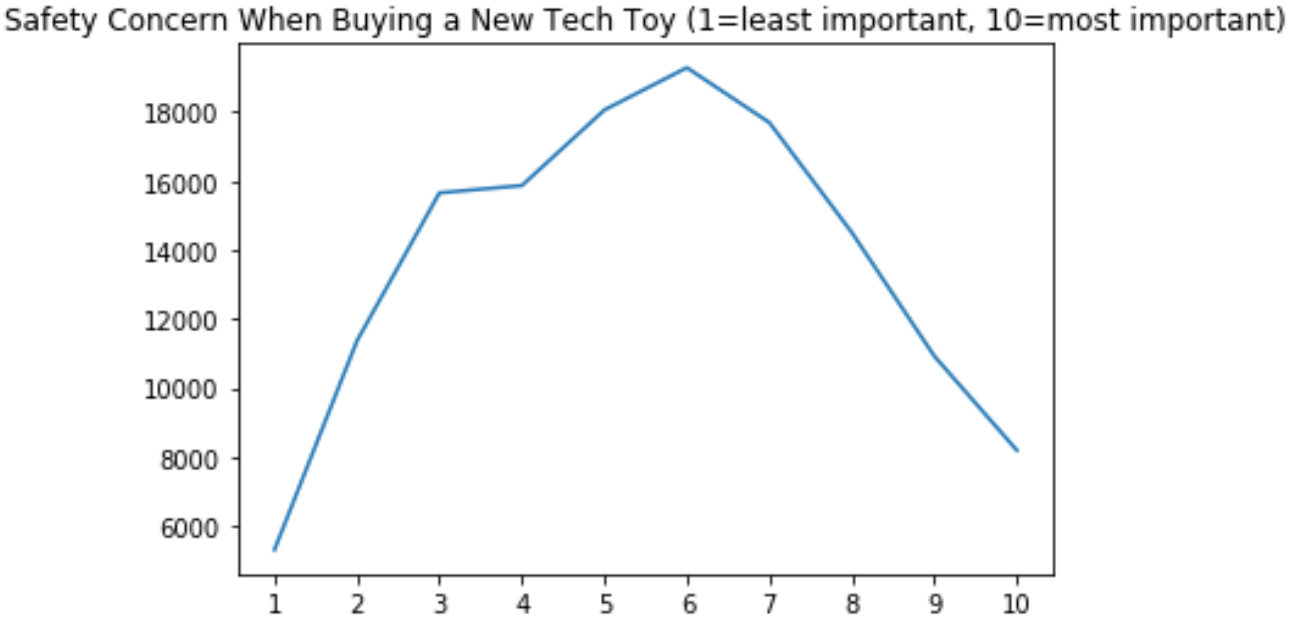
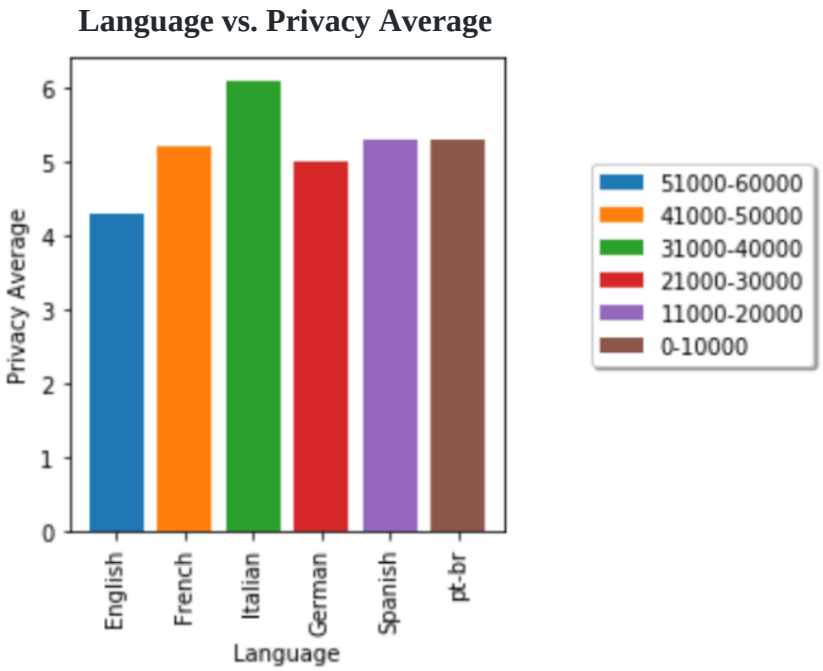
INFO 4602

1. **Information about your visualizations and what they show. Include information about interactions, preprocesses, and design as appropriate. Note what tasks the visualization allows you to accomplish to derive this insight and how your design is tailored to support these tasks.**
    - **Visualization 1:**



In this visualization, we used Python to look at the participants' safety concerns while buying a new technological toy on a scale from one, being the least important, to ten, being the most important. The interaction we wanted to observe was based on participants' safety while buying new technology. As far as preprocesses go, we initially created a template in order to formulate our questions and analyze the data in order to answer said questions. This helped us keep our code organized and easy to read. We made this into a line graph to show the distribution amongst the answers, and as a result got a downward-facing parabola. What we were able to deduce is that most people were around a six.

- **Visualization 2:**



In this visualization, we used Python as well, to compare what languages were used by the participants, vs. the average rating the participants gave on a scale of one, being the least important, to ten, being the most important, to the idea of privacy being an important key when talking about buying new technology. The interaction/question we wanted to analyze, and answer was how does language/how many people spoke that language effect ones' rating on privacy? If so, then why? If not, then why not? As far as preprocesses go, we initially created a template in order to formulate our questions and analyze the data in order to answer said questions. This helped us keep our code organized and easy to read. We were then able to see that there was no set correlation between the average privacy value and the language that the participant spoke. This could be, because privacy is wanted in all areas of the world not just one.

2. **Your design process (e.g., how did you go about designing, building, and refining your system? Why did you choose these representations?**
    - We first inputted all our data, and then proceeded to clean it up in order to get the most accurate numbers. For example, in places where the data said "NaN" we changed the value to be 0 which meant that there was no answer provided. This allowed us to have numbers for of the participants', rather than just a sporadic few.
    - We used Python, in Jupyter Notebooks, to build these visualizations
    - For our codes we both had to do a lot of trial and error in order to create the visualizations that we were aiming to create. This being said, we also used online sources to help with certain Python code (generic Python help websites).

- For this huge data set we chose both visualizations based solely on the idea of making this data set easier to read, while answering our initial questions/what we wanted to observe.

3. **Your team roles for each individual**
   - We each made a Jupyter Notebook file and made our own visualizations. Jihoon made visualization one and Talia made visualization 2. We divided and conquered, and both worked on this read me page.

4. **How to run your project: LOOK AT ATTACHED NOTEBOOKS/FILES!!!**