

- a. As a software engineer, I would recommend tracking the average length of rentals for each listing on the website in addition to the policy number and listing id. With this information, I can track if specific units' business licenses are valid as well as if they rent their listing for short-term rentals. While a valid license is necessary according to the law, the information regarding the length of rentals will provide additional context for the intensity of the violation that these listers are causing on the Airbnb website. Unfortunately, the San Francisco Planning Office may not care about the average length of rentals, but rather, they simply want to know about the status of the listers license. Additionally, they may state that they require information regarding the type of unit and the renting details that would not be gathered in this method.
- b. One question that I would ask based on the data in the Housing Insecurity in the US Wikipedia page is to analyze how housing insecurity numbers differ across different states. This data would allow me to gain a greater understanding of where and why individuals suffer from housing insecurity.
- c. When scraping a website, I believe it is important to recognize the users who are being impacted by the web scraping. While web scraping may impact the company as a whole, many users who import key information to the site will not want their information used in web scraping.
- d. I think it is necessary to analyze if the collected data is absolutely necessary to complete the intended goal. For example, only certain pieces of the data may be needed for the intended research as opposed to all aspects of users' personal data. With this in mind, users' privacy and rights will be more protected than previously thought. Additional guidelines to consider include determining whether or not this data will hurt the current individuality and uniqueness of a company.