

A)

The first system is that we go through the policy number and check whether the the policy number is in a correct format. The second system is that we go through the policy number and run in our database to check whether the policy number exists in the database. There can be multiple arguments against this. For example for the first system, one may say that the policy number maybe in a correct form, but we do not know if it is a valid policy number. The argument against second system would be there is that we cannot detect the case for where people are pending or exempt from policy number. How can we check if they put pending and exempt on their policy number? This only gives penalty to people who has a valid policy number but may have typed in incorrectly.

B)

Based on our information we can actually answer the affordability section of the housing insecurity by comparing unit cost per day per bedroom across the country to check how the housing insecurity is different over the country.

C)

Since websites contain lots of personal information, when discussing the legality, we should be considerate about its impact. Though those personal information is publicly displayed by its owner, it is meant to show to people who actually needs it. The problem with web scrapping is that it can extract massive amount of information in a short period of time; thus, the information may be used in a way that the owner does not intend to be. The factor we really should talk about is that whether the information that people publicly display on the internet should be considered as private information which should not be scrapped or a public information that is fine to be scrapped.

D)

First thing we need to consider is that even though the data itself is public to me, it does not mean it is public for everyone. One should consider when they are using the public data, whether the data is public for everyone. For example, using the data about former president about their elected dates are completely fine.

Another thing we should consider is that how the data will be used. For example, if the data will be used for personal project without any monetary value, then should be fine. However, if someone is trying to sell the data by scraping public data then there should be some constraints.