**Question 2.1**

Describe a situation or problem from your job, everyday life, current events, etc., for which a classification model would be appropriate. List some (up to 5) predictors that you might use.

**I work for a non-profit organization that helps find housing for homeless people in Orange County, California. My job is analyzing the data collected and reporting on reducing homelessness. A situation where a classification model would be appropriate is predicting factors of an individual becoming chronically homeless.**

# Predictors:

1. Length of homelessness history: people with longer histories of homelessness are more likely to become chronically homeless.
2. Mental health issues: People with mental health issues are more likely to become chronically homeless.
3. Income: Analyzing income sources may identify people at risk and the amount of income that can secure their housing.
4. Substance abuse history: people with a history of substance abuse may be at higher risk of chronic homelessness.
5. Friends and relatives: homeless people may have fewer friends and relatives because if they have more friends and relatives, they may have a choice to live with their friends and relatives.