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**Introduction**

Drug abuse and addiction affects people across the globe. The understanding of how drug abuse is seen, felt, and acted out is vital towards ending abuse for individuals. The survey provided was extremely informative but dense. Our group chose to work towards simplifying the dataset to reveal important aspects of the study. Some aspects we focused on were the regions studied, the demographic characteristics, and the drugs asked about, like oxycontin. None of these visualizations are meant for conclusions but rather spark questions of approaching the issue of drug abuse.

**Methods and Results**

One of the results we noticed right at the beginning of the competition is that the respondents represented by the survey were mainly from Ontario, Quebec, Alberta, and British Columbia. This is important because these are the main population hubs of the country, which lay on the southern border with the US. Therefore, the survey skews more urban than rural, which could impact response to drug abuse by not seeing the rate of rural drug abuse.

The second demographic patterns we observed was that the survey skewed towards older adults and little student representation. The downside to the survey skewing towards older adults and a lack of students is that the survey may not record response from people at the beginning of drug addiction. Drug addiction can start at any age but predominantly at a younger age, especially if they grew up surrounded by drug abuse.

We also made visualizations of when the survey data was recorded. We did this for several reasons. It allowed for a view into when different demographics took the survey and for how long. The length accounts for people that took incomplete surveys. We then separated the data by month to see when most responses were recorded by month. This survey was from September to November, the end of fall to winter. This is an important time of the year where seasonal depression, like SAD, starts to display itself.

Responses were consistent across each region. Drug users used the same drugs at similar rates in each region of Canada. Region 4, New Brunswick, was very consistent. Therefore, we can observe that target responses by regional governments would be more helpful than a nation-wide approach as a potential solution.

**Conclusion**

­­­This dataset has sparked many questions in regards to how to better use this type of survey data to spark questions of further investigation. Drug abuse is a worldwide issue that has a deeply personal component as well. Our work has driven towards providing better understanding to solving a complex issue as such.