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Title

Population Dynamics of Depression in Canada

Objective

Our group objective with this topic is to analyze and model the growth of people with depression (major depressive disorder or general depression) within the Canadian population based on many real world factors.

Abstract

In our group project, we will be presenting a model based on the population dynamics of depression in Canada. Over a long term period, depression has increased drastically within the Canadian population and a clear model can be presented linking the factors to this "epidemic" of sorts. It is such a common mental illness in Canada that most people (including our group) know of someone suffering from depression. The biggest problem is that while people know of it, not many people know that there are factors that contribute to depression in everyday life. Simple factors like age, sex, or race easily seperate the data for further analysis within a population dynamic model. Although, with depression in Canada, there are many more factors that need to be considered and this is why we will be focusing on five other common factors that need to be included: whether or not the person smokes cigarettes, drinks alcohol, has other underlying mental illnesses, if they have chronic pain, or if the individual has a long term medical condition. Our model will take into account all of these factors and, based off of researched statistics, will help group and display how depression in canada can be attributed to distinct albeit common elements. With this model, the depression statistics will not change throughout Canada but it may help more people realize the fact the depression is on the rise and there are many things that can contribute to its increase.