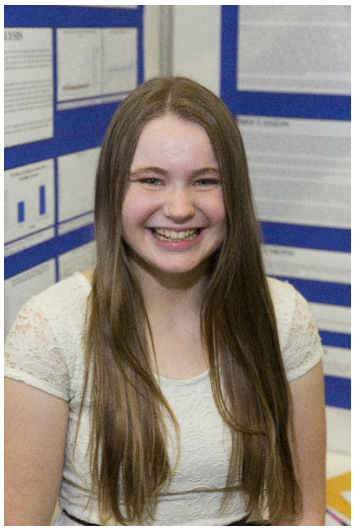
CWSF 2018 - Ottawa, Ontario



Rachel Cuell

The End: A Study of Suicide in Canada

Challenge: Health
Category: Senior
Region: Pacific Northwest
City: Smithers, BC
School: Smithers Secondary

Abstract: Suicide is the currently the ninth leading cause of death in Canada. I was interested in investigating various socioeconomic and environmental correlations with suicide rates across the country. I obtained data from Statistics Canada and analyzed different possible correlations. High suicide rates were significantly correlated with male gender, alcoholism, poor perceived health, high wage, fewer hours of daylight, and populations without a high school diploma.

Biography

My name is Rachel and I'm from northwest BC. I've had a passion for science since my first science fair in grade six. I've attended CWSF three times in the past and they have all been incredibly inspiring experiences. I have been interested in psychology and statistics since grade seven and this year I combined the two to study correlates of suicide across Canada. I used publicly accessible data from Statistics Canada and looked at socioeconomic variables as well as alcoholism, daylight, and health. I got to learn about multivariate ordination statistics while researching a subject that I find interesting and pertinent to everyday life. However, I do hope that in the future I can look at the variables in finer detail since a lot of data isn't accessible to the public. I am also hoping that I can study psychiatry in university.