

Brazil vs Canada - Natural Disaster Occurrences 2009-2014

AIM:

To find out which country Brazil or Canada, has more natural disasters of Floods, Extreme Temperatures, Storms, and Wildfires which effect human activity between 2009-2014. *Natural disasters are a mix between natural events such as volcanoes, tsunamis, earthquakes, thunderstorms, landslides, wild fires and flooding impacting with human life.* The focus will be on Floods, extreme temperatures, storms and fire. (<http://kidskonnnect.com/science/natural-disasters/>)

HYPOTHESIS:

We think Canada will have more natural disasters because of its climate and vast landscape. Canada has mountains (rock faces and snow) and mass forests with all types of weather which make natural events a constant reality. Types of natural hazards include earthquakes, floods, icebergs and fog, landslides and snow avalanches, tornadoes, tsunamis and storm surges, hail, wild fire, volcanic eruptions, and winter-storms. (<http://www.publicsafety.gc.ca/emergencymanagement/naturalhazzardsocanada>)

METHODOLOGY: is a set of methods used to explain a certain question, to test a theory to come up with an answer. (www.ducksters.com/science/scientificmethod.php)

We will research from the internet (not Wikipedia) natural disasters of Canada and Brazil between 2009-2014. Once we have this information we can then use Bar Graphs to show what are the most common disasters that impact on human life in these countries. We can also then prove which country has more natural disasters of Floods, Extreme Temperatures, Storms, and Wildfires which affects their population and human activity.

Canada

Statistics (2014) (www.preventionweb.net/countries/can/data/) show the population of Canada is around 35,158,304 million people. 80% of this population live in its cities with around 18% living in country and rural areas. The most frequent natural disasters in Canada 2014 include Floods, Storms, Wildfire and extreme temperatures of hot and cold. We found through this web page by the United Nations Office for Disaster Risk Reduction that the number one frequent natural disaster impacting life was Floods at 39%. Storms were second at 37.7%. Wildfire, Canadas most expensive disaster was ranked third at 18.8% followed by extreme temperatures at 4.5%. Due to climate change and higher temperatures flooding will continue to be a bigger threat to Canada than ever before. (http://www.huffingtonpost.ca/2015/11/16/alberta-flood-2013-climate-change_n_8572420.html)

Brazil

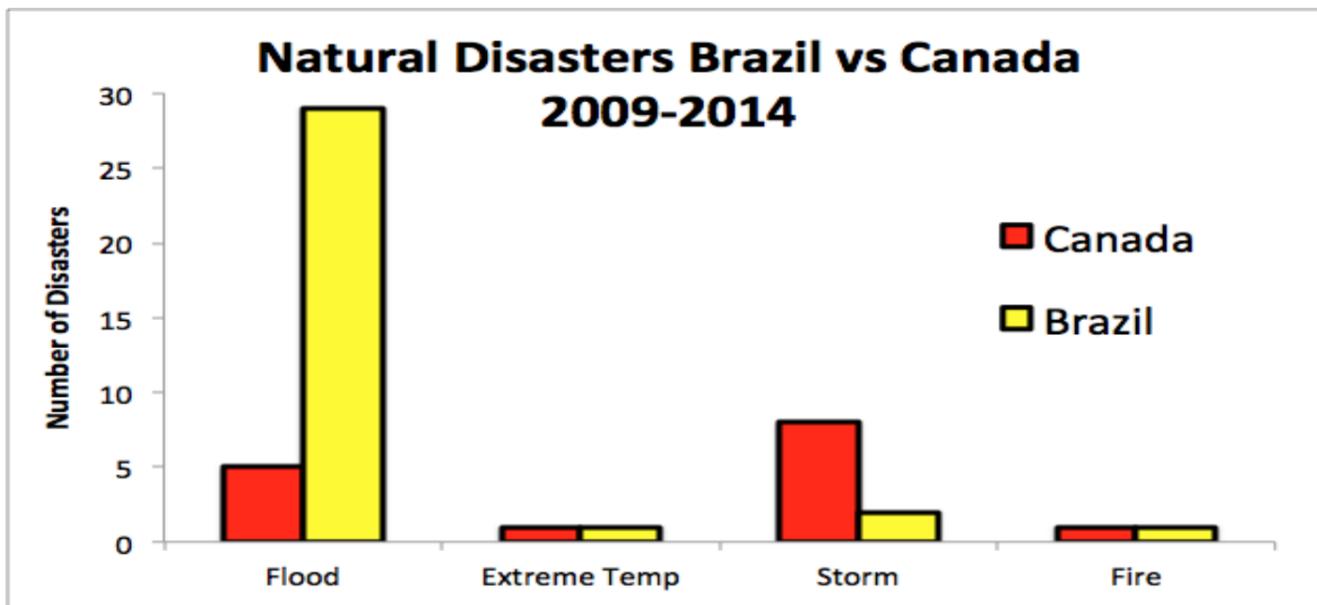
Brazil has a population of 183,888,841 million people (<http://www.ngkids.com.au/places/country-fact-file-brazil>) with 85% of people living in cits and around 14% living in country/rural areas. (www.preventionweb.net/countries/bra/data/)

Brazils landscape is of dense forests, the Amazon River, jungles and dry grasslands including rugged hills. Brazil's biggest cities cover 11% of the country but 43% of its population live there (<http://www.ngkids.com.au/places/country-fact-file-brazil>). This would tell us that Brazil will have a higher disaster risk from a natural hazard.

A BBC article in 2010 talked about Brazils floods killing 42 people, 100 000 people without homes and 1000 people missing. Also in 2009 floods left hundreds and thousands of people without homes and 44 people killed (<http://www.bbc.com/news/10372362>).

(<http://revistapesquisa.fapesp.br/en/2016/07/26/50-years-of-calamities-in-south-america/>) tell us of research that shows Brazil is unsafe for continued natural disasters due to climate change and population density.

The International disasters database county profile on Brazil and Canada show data for natural disasters of Floods, Extreme Temperature, Storms and Wildfire 2009-2014 (http://www.emdat.be/disaster_list/index.html) This database also shows the top 10 of these natural disasters in Canada killed 24 people and the top 10 of these natural disasters in Brazil killed 1478 people between 2009-2014. Below are findings from this database showing Canada and Brazil's natural disasters in bar graph:



Source: Bing pictures

http://www.emdat.be/country_profile/index.html

RESULTS:

Our aim was to find out which country Brazil or Canada has more natural disasters of Floods, Extreme Temperatures, Storms, and Wildfires which effect human activity between 2009-2014. Canada with its climate and landscape we thought would have more of these natural disasters than Brazil. Research from the internet showed us that both countries had similar natural disasters of floods, extreme temperatures, storms and fires. Our review of the information showed us our Hypothesis was wrong. Our bar graphs show that Brazil had a total of 33 natural disasters and Canada had 15 total disasters between 2009-2014. Brazil had 25 more floods than Canada. Both Canada and Brazil had one extreme temperature and one fire during this period impacting on human activities. Canada had eight storms, six more than Brazil, which had two. We found that natural disasters in Brazil affect more people and kill more people than in Canada because of its population size and population density. Brazil has a bigger population. It has over 183 million people and Canada has over 35 million people. But both countries are similar with 80% of Canada's population and 85% of Brazil's population in major cities. We found out by researching the internet that Brazil has more natural disasters than Canada in 2009-2014 and our Hypothesis was very wrong.

Bing Images

