Project Proposal

Theme:

The data set I have chosen is the monthly average temperatures for Central Park NY, and second one is the average amount of snow fall, from 1869 to present day. As we are all aware of the fact that global warming is becoming a more serious issue in 21st century. The emission of Carbon Dioxide in past 50 years has reached limits, and currently we are on an experiment to observe how much our planet can tolerate before some catastrophic event occurs. However, many people fail to acknowledge the existence of climate change and have a skeptical view of it. My two data sets will be used to find any trend in increase in extreme temperatures during the summer/winters as well as find any correspondence of climate change to average precipitation and/or extreme weather conditions.

Variables:

Median Temperatures during peak summer season

Average precipitation

Year 1869-present

Median Temperatures during winters

Questions:

1. Have the average summer temperatures increased since 1869?
2. Have the average winter temperatures dropped since 1869?
3. Has the average snow decreased since 1869 during winters?
4. In both cases, do we see that our global climate has turned extreme?
5. Are these two data sets enough to draw a conclusion of whether there is a correspondence between rising global temperatures and high emission of carbon dioxide?