

Revised 12/5/11

## **Data Analysis of Various States Temperature and Precipitation Data**

- Your teacher will give you a state to analyze. Go to the shared Google Docs Document labeled "Climate Summary" and open it up. Work through the site below and answer the questions while entering the data asked for in the Google Docs Document.
1. Go to the following address and answer the following questions by working through the site. <http://www.ncdc.noaa.gov/oa/climate/research/cag3/ia.html>
  2. Before beginning make a prediction on what the data will show. Is the climate getting warmer and wetter, cooler and wetter, warmer and drier, or cooler and drier?
  3. On average what is your states warmest month and give the average temperature.
  4. On average what is your states coldest month and give the average temperature.
  5. On average what is your states driest month and give the average precipitation.
  6. On average what is your states wettest month and give the average precipitation.
  7. Which months are showing a warming trend per decade?
  8. Which months are showing a cooling trend per decade?
  9. Which months are showing a drier than average trend per decade?
  10. Which months are showing a wetter than average trend per decade?
  11. Based upon this data do you believe that your states climate is getting warmer and wetter, cooler and wetter, warmer and drier, or cooler and wetter? After you made your choice explain why you think that this is happening?