

Weather Station Data Activity

Name: _____ Hour: _____

You may work with a partner for this activity. Each person must turn in a separate write-up. Use complete sentences for all answers.

Objective: Analyze data in context.

Data: The weather data cover 100 years from 1907 to 2006 in an excel spreadsheet. For each year, there are the monthly mean temperatures in hundredths of degrees Fahrenheit as well as the annual mean temperature.

Use your critical thinking skills to analyze the data and come up with some pattern/result that you could not have known without looking at the data. Trivial answers such as “Summers are warmer than winters” will not earn any credit.

Tasks: Use complete sentences to:

- (1) identify by Station ID and name the weather station you randomly selected to use
- (2) describe how you conducted your analysis and
- (3) explain your results.

Excel Commands:

- You may use excel chart/graph to perform your analysis
- You may use excel formulas
 - To find max value from cells A2 to A35, use formula =max(A2:A35)
 - To find min value from cells A2 to A35, use formula =min(A2:A35)
 - To find average value from cells A2 to A35, use formula =average(A2:A35)

The station data can be found on the G:drive under EHS Courses/Intro to Stats/Illinois Station Data

Write-up is due at the end of the hour.