Academic Discourse I

FS101

Class Discussion:

What Do Plots Say About the Data?

20th September

Fall 2021

Oliver BONHAM-CARTER

Assignment 3:

Class Activity and Speaking About the FS101 Event

Each plot below has been picked for its misleading nature. Pick two for your own analysis. Respond to the questions in your `writing/reflections.md` document of your GitHub Classroom repository. After those questions, there are two about the message of today's speaker.

- **GitHub Classroom Repository**
  - https://classroom.github.com/a/5iu_psN9
- **Deliverables** (see writing/reflection.md of repo):
  - Written: evaluate one plot, discuss the Gator Day event
  - Speaking: Discuss your experience at the Gator Day Event

Do All First-year Students Think The Same?

Gator Day of Student Life
Wednesday, September 22nd

Please note that there are no classes on Gator Day so that you have the time to explore majors, minors and other opportunities given by the college, in addition to attending the discussion.

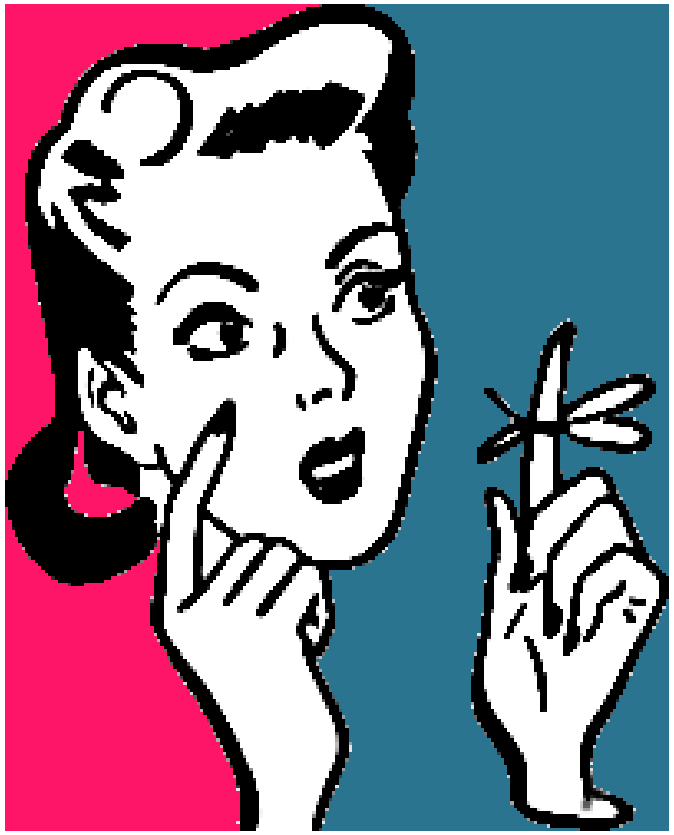
Read more: https://sites.allegheny.edu/gatordays/

Choose a session time to attend: 10am or 3pm
Location: Blue Courts

Please RSVP for the event!

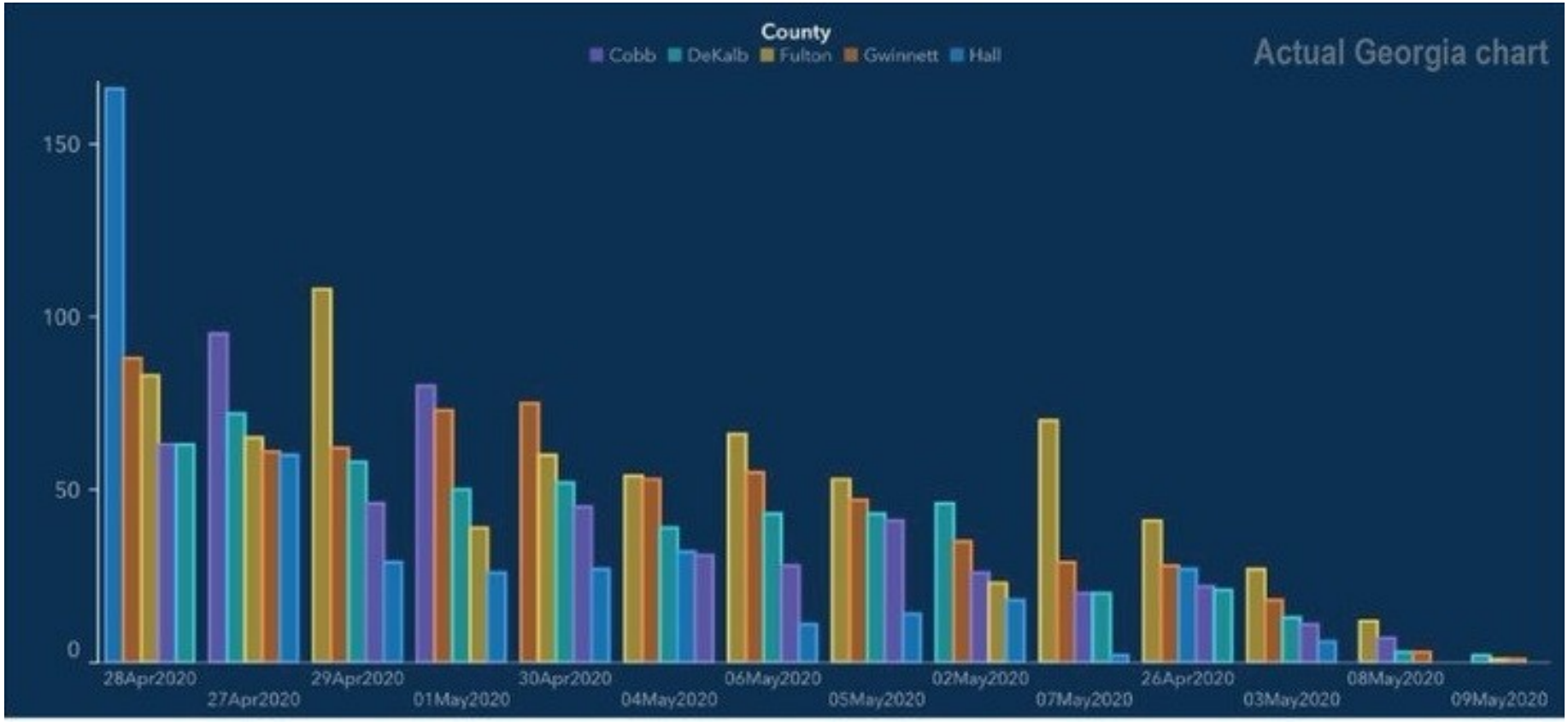
https://docs.google.com/forms/d/e/1FAIpQLSdhVaJH9C6ESrHDEMO-l2VphzeDtrpS2FP0JnZPfM4k1FV9Gw/viewform

Please Do Not Forget!



Please complete your Pulse Survey for students from Thursday, August 16th

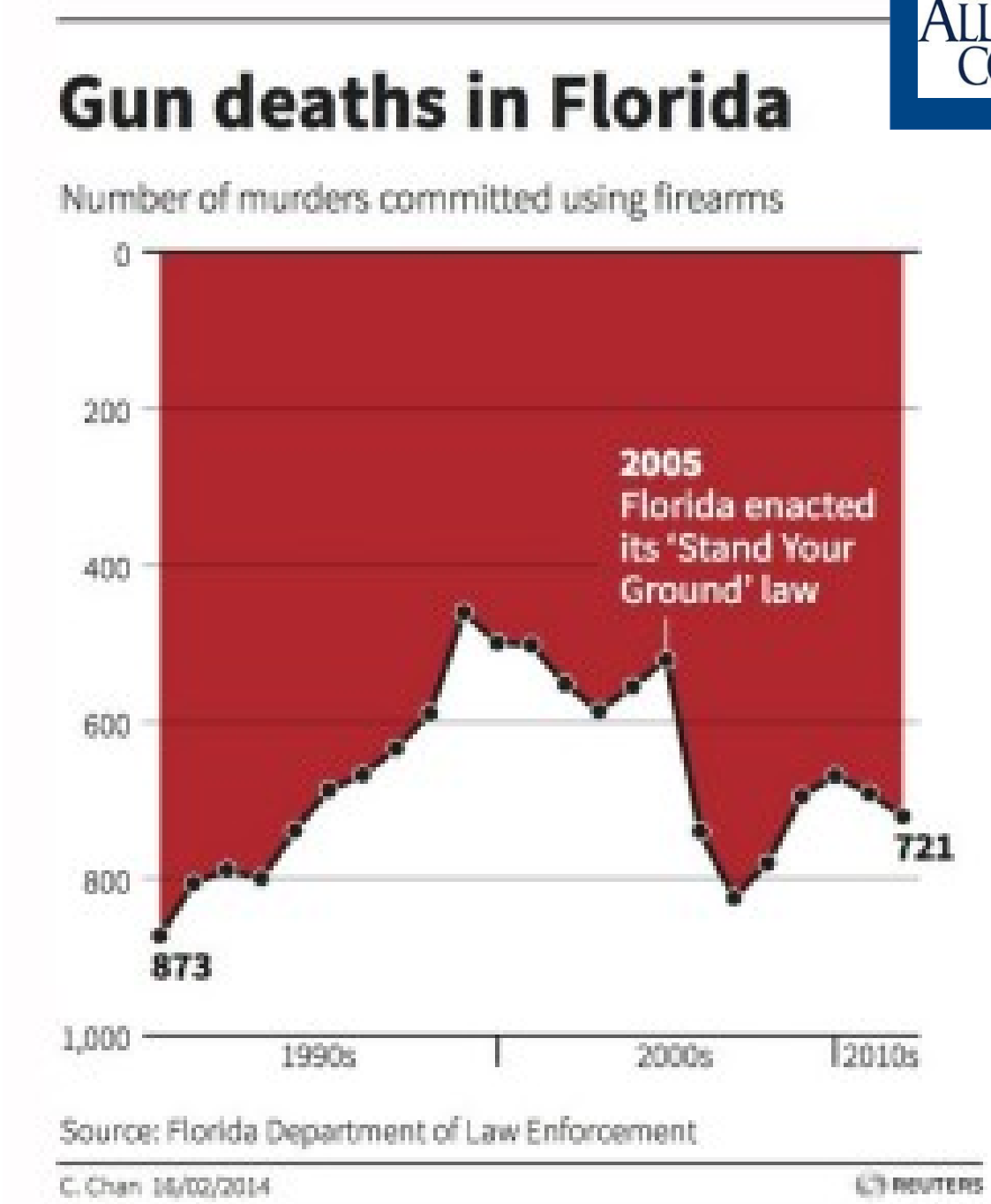
Meet Misleading Plots



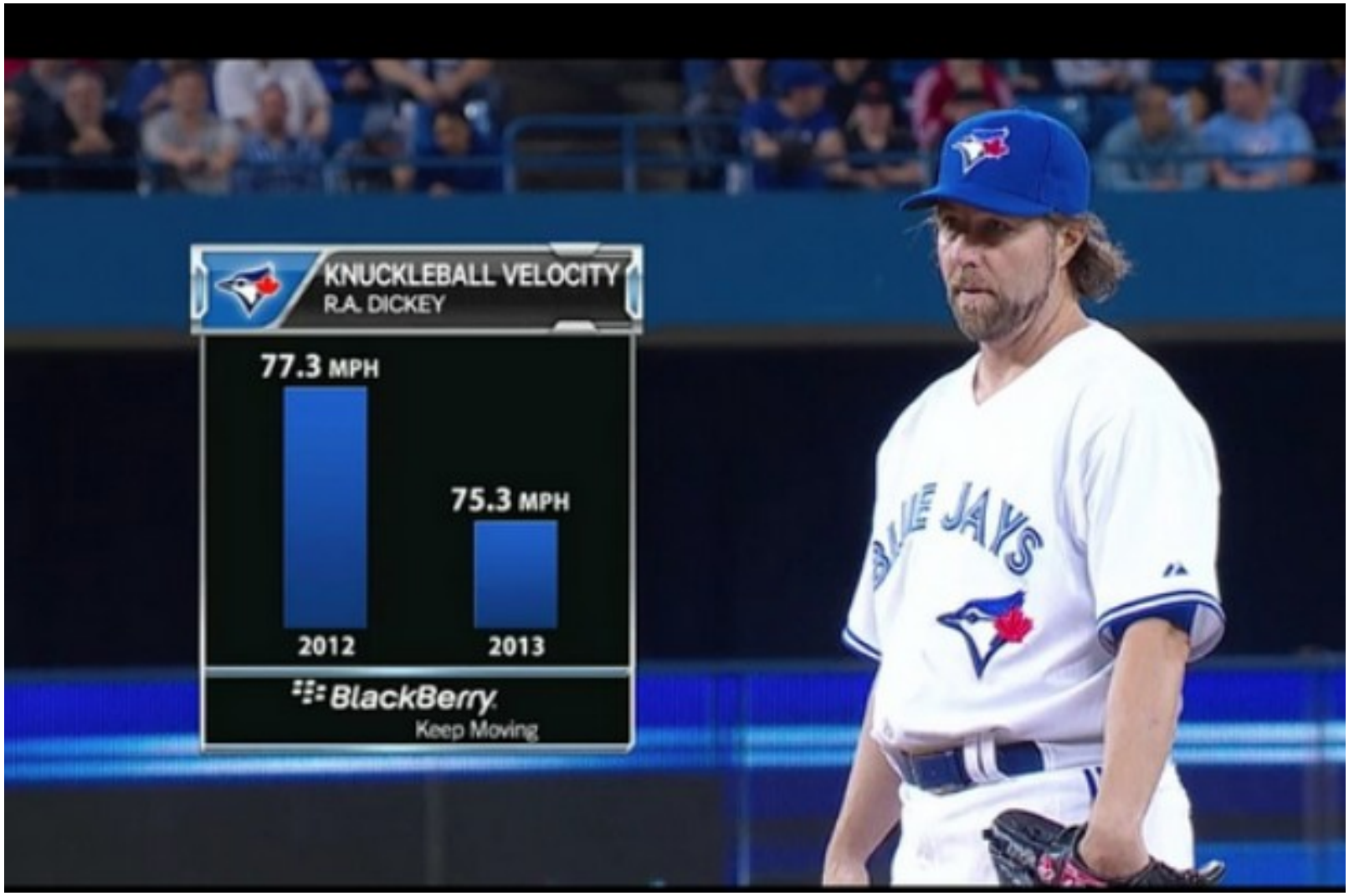
Chronology of collected data?

https://www.datasciencecentral.com/profiles/blogs/the-worst-covid-19-misleading-graphs

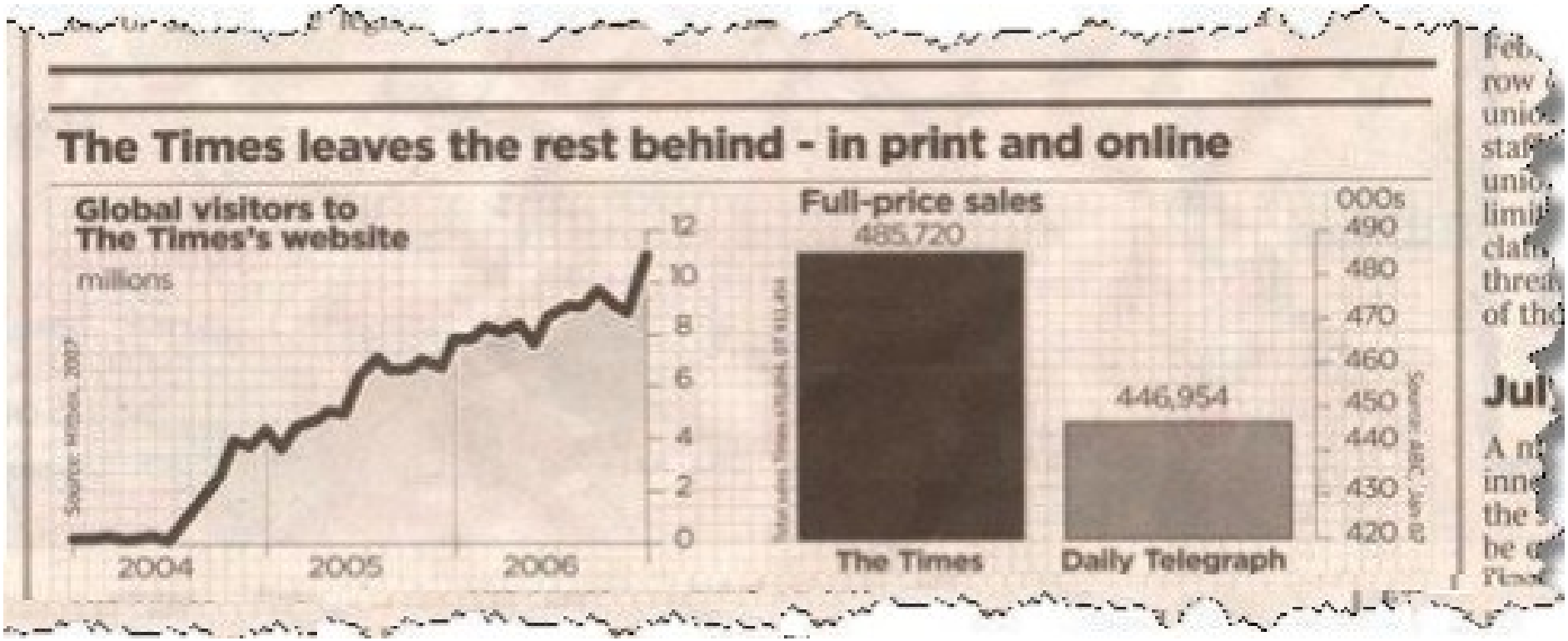
Plot 1: Is there something wrong with this plot?



Plot 2: Is there something wrong with this plot?



Plot 3
What can you infer?



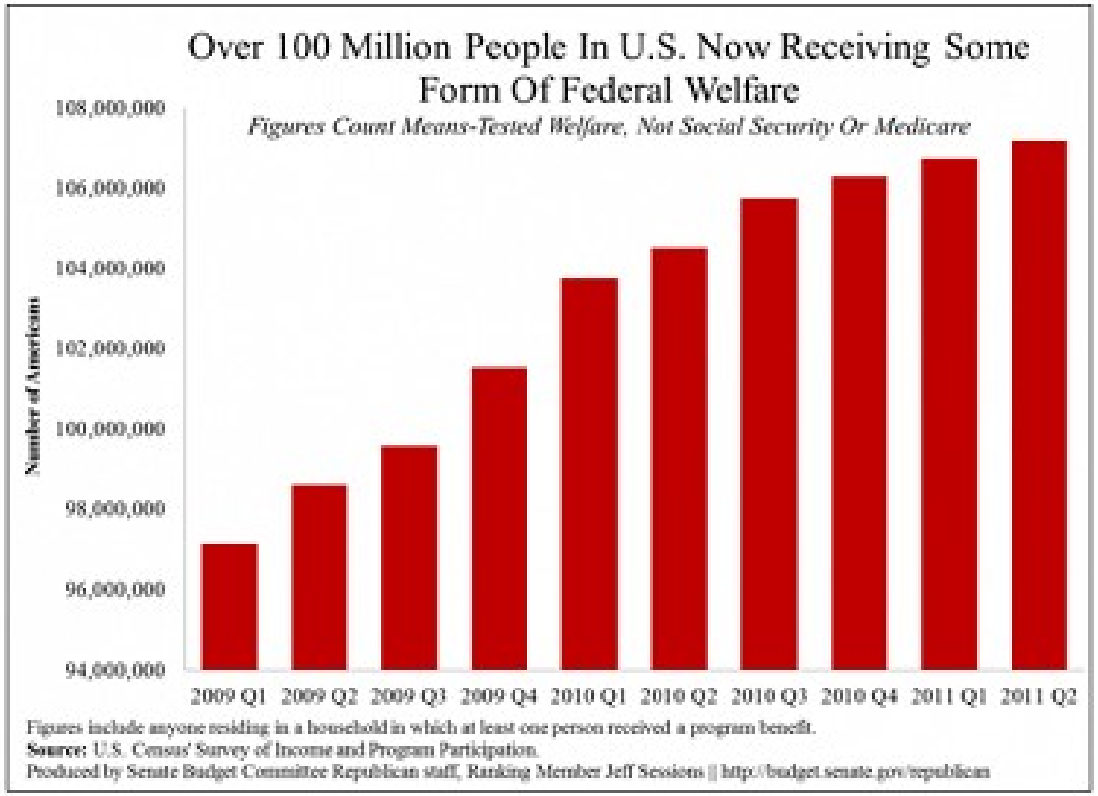
Plot 4
What can you infer?

THE BLOG

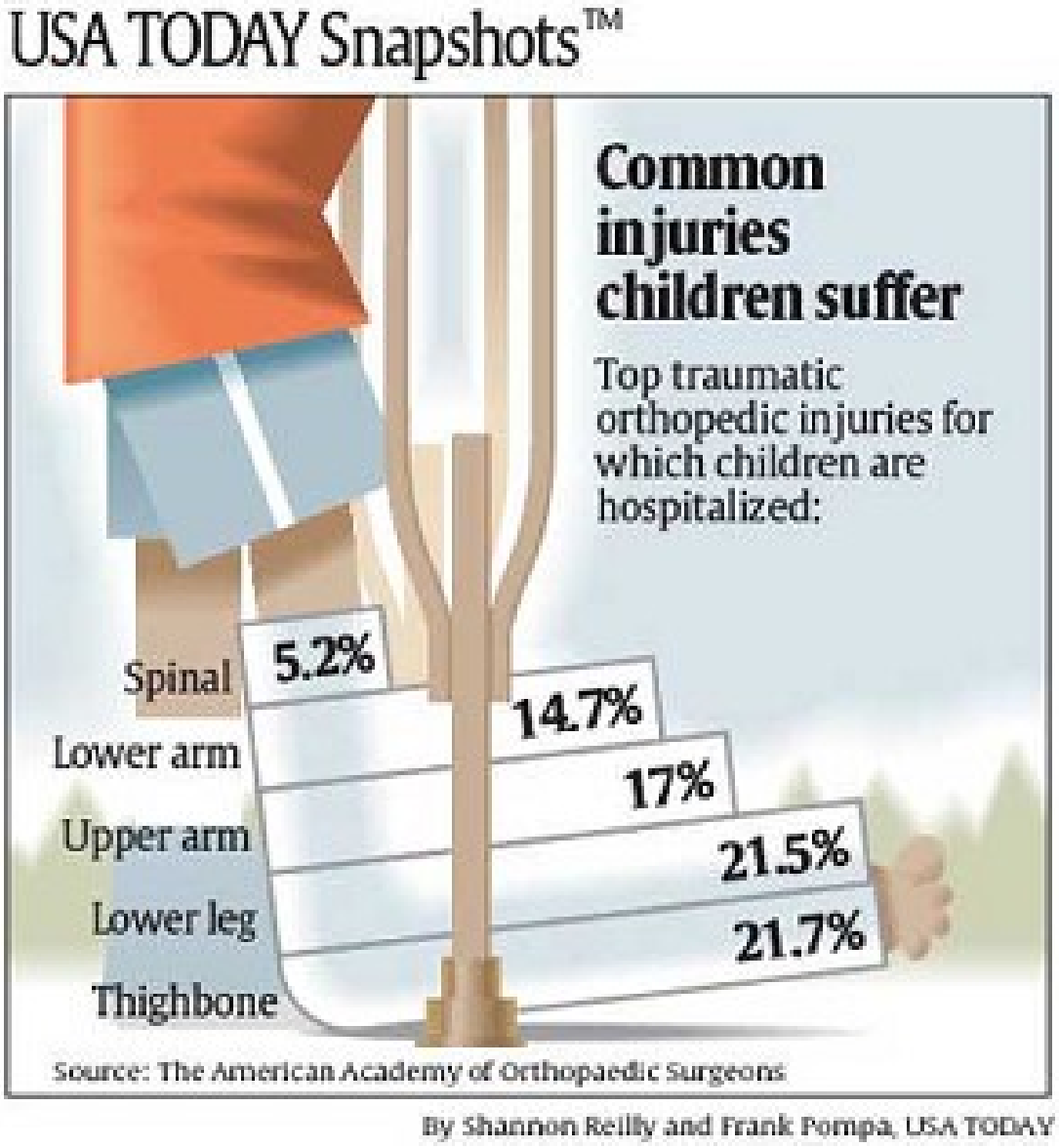
Over 100 Million Now Receiving Federal Welfare

2:40 PM, AUG 8, 2012 - BY DANIEL HALPER

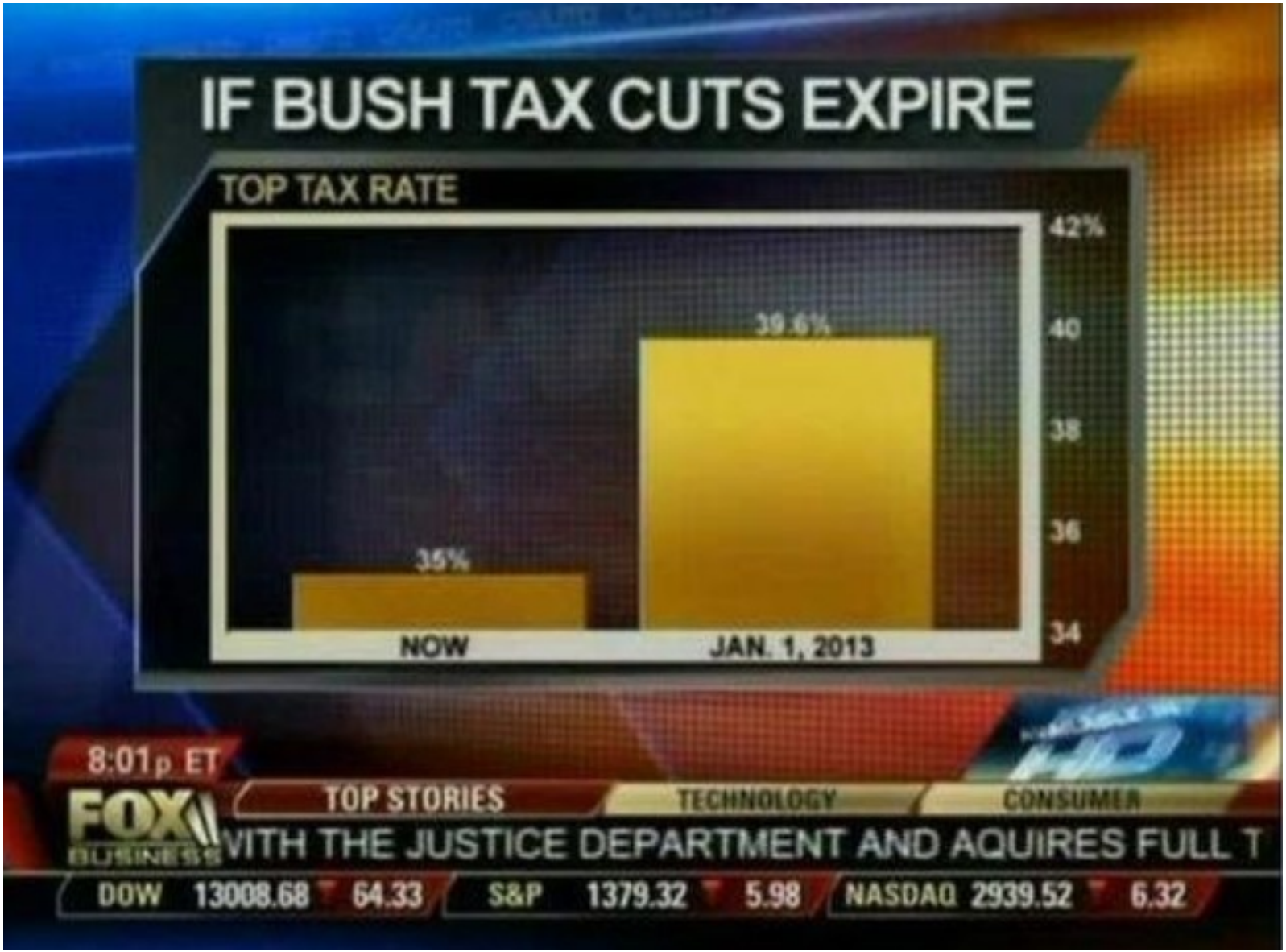
A new chart set to be released later today by the Republican side of the Senate Budget Committee details a starting statistic: "Over 100 Million People in U.S. Now Receiving Some Form Of Federal Welfare."



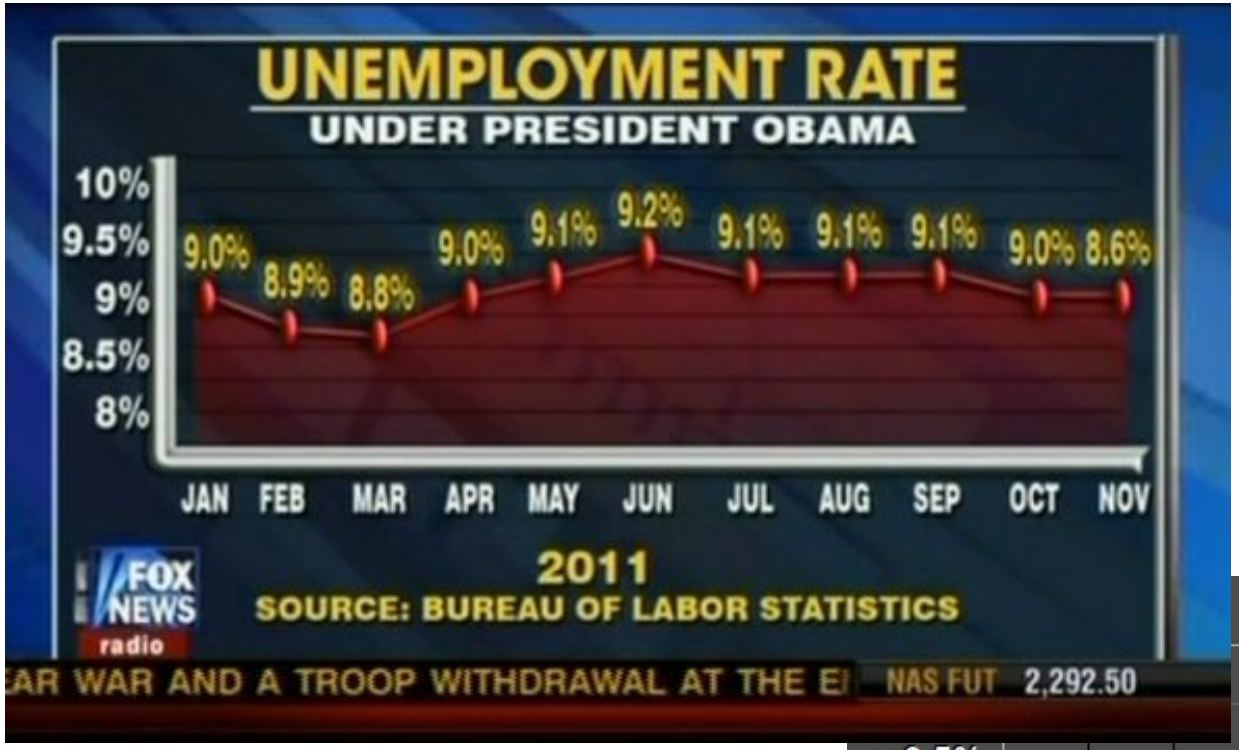
Plot 5
What can you infer?



Plot 6
What can you infer?

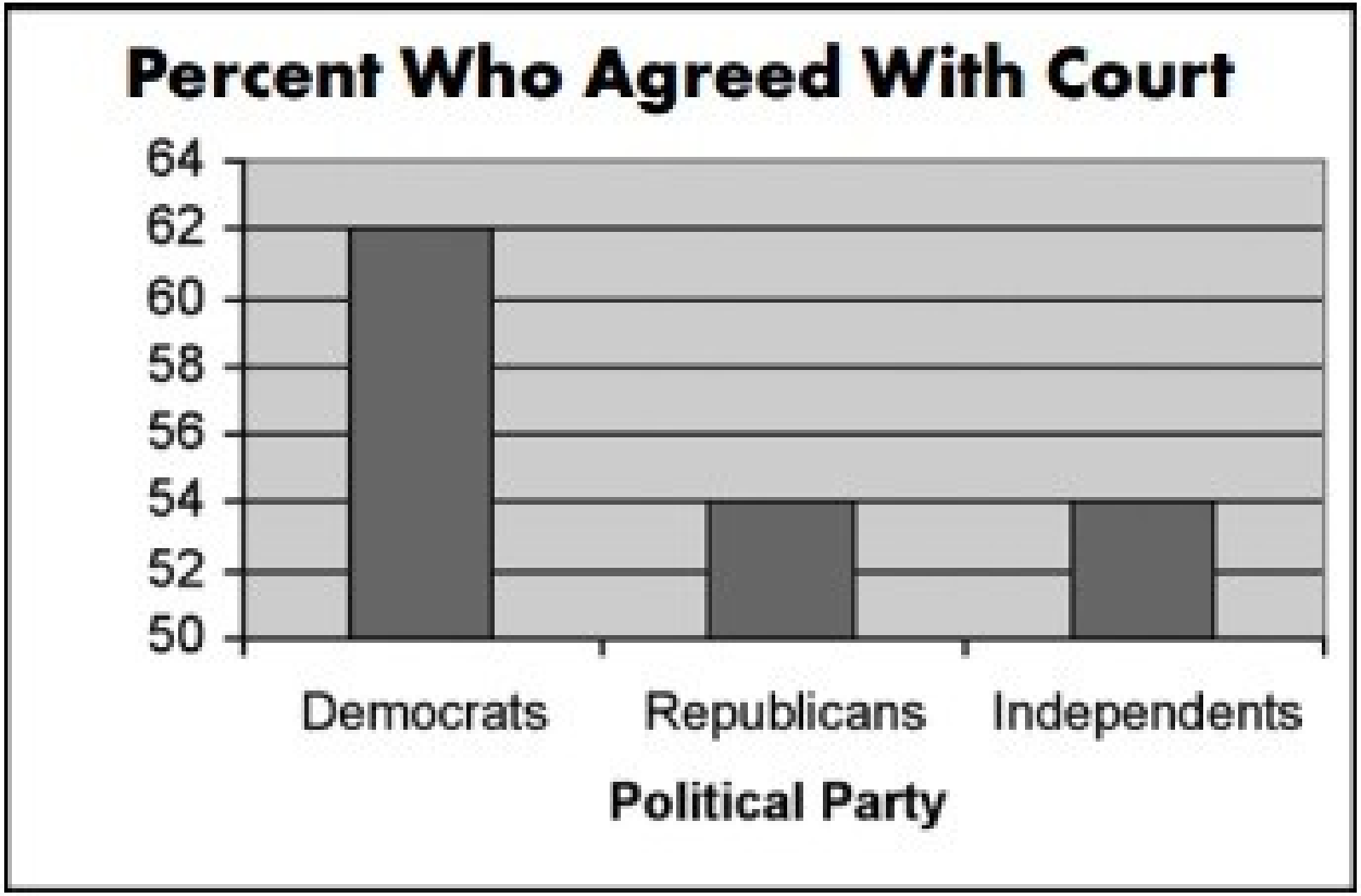


Plot 7
What can you infer?



Same data
as above?

Plot 8
What can you infer?



Plot 9
What can you infer?

Average Monthly Temperature	
	Fahrenheit
January	26.4
February	28.0
March	35.8
April	46.6
May	56.3
June	65.8
July	71.2

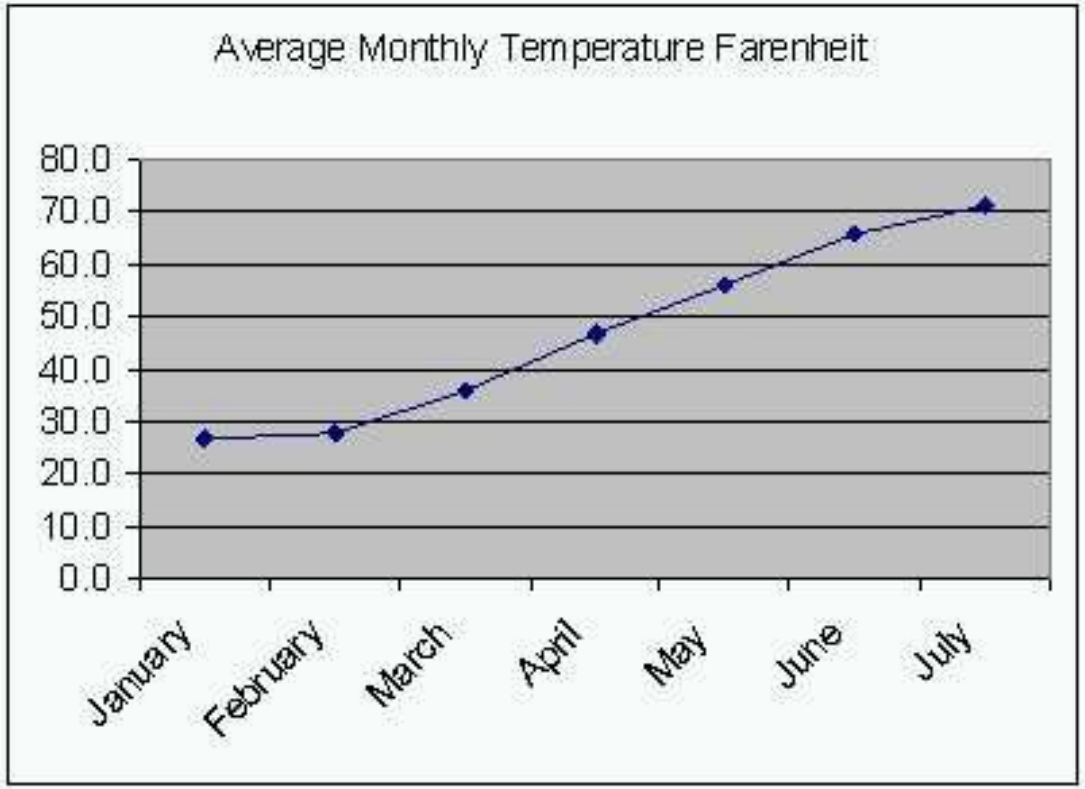
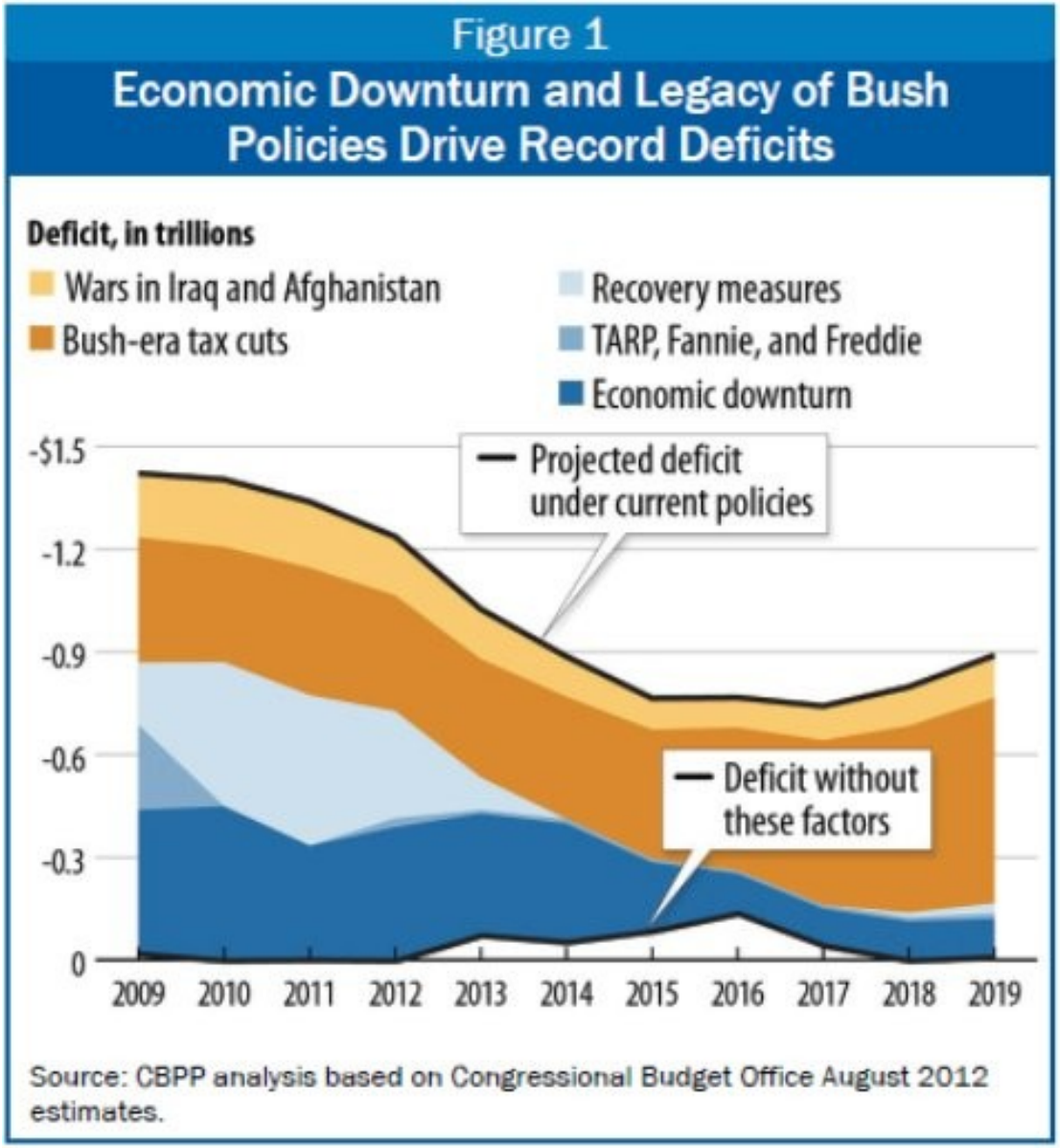
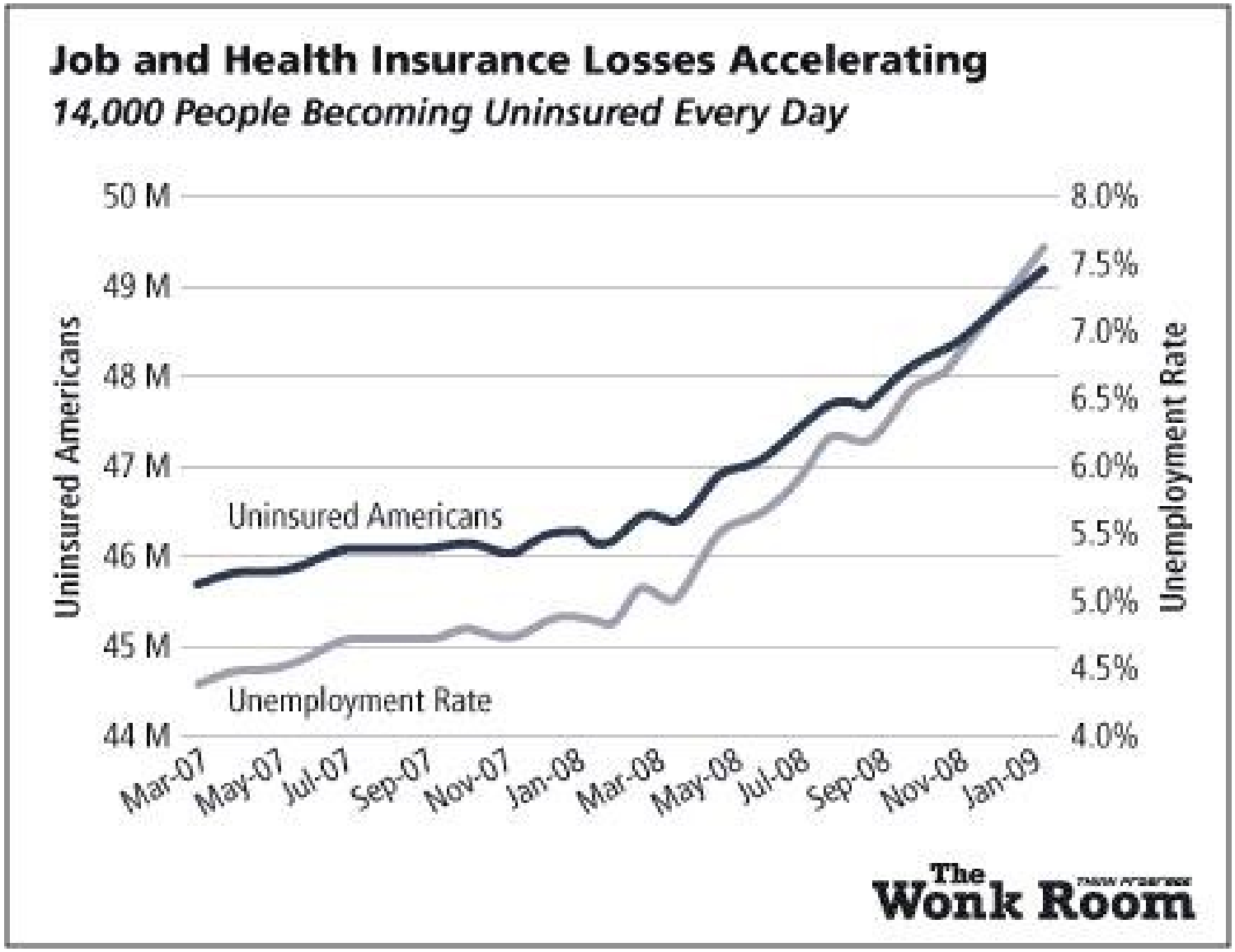


Figure 2

Average monthly temperature in New Haven, CT.

Plot 10
What can you infer?



Plot 11
What can you infer?