

Data Analytics

CS301

Participation 2:
What Do Plots
Say About the Data?

Week 8: 20th Oct

Fall 2020

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02_Practical

- GitHub classroom link to practical :

<https://classroom.github.com/a/LWgY5CJp>

- Copy the directory from your sandbox into your practical repository to submit;
02_practical/02_practical.md
- Work individually or in a group.
- Submit your practical for a check-mark grade by
12:00pm on Thursday: 22nd Oct 2020

THINK



Strange Plots

Each plot below has something VERY misleading about it. Pick three (3) for your own analysis. Respond to the questions in **02_practical/02_practical.md** to describe how the plots could be misinterpreted and misunderstood. *Please be sure to copy this directory into your practical repo to submit.*

- **Git Commands**

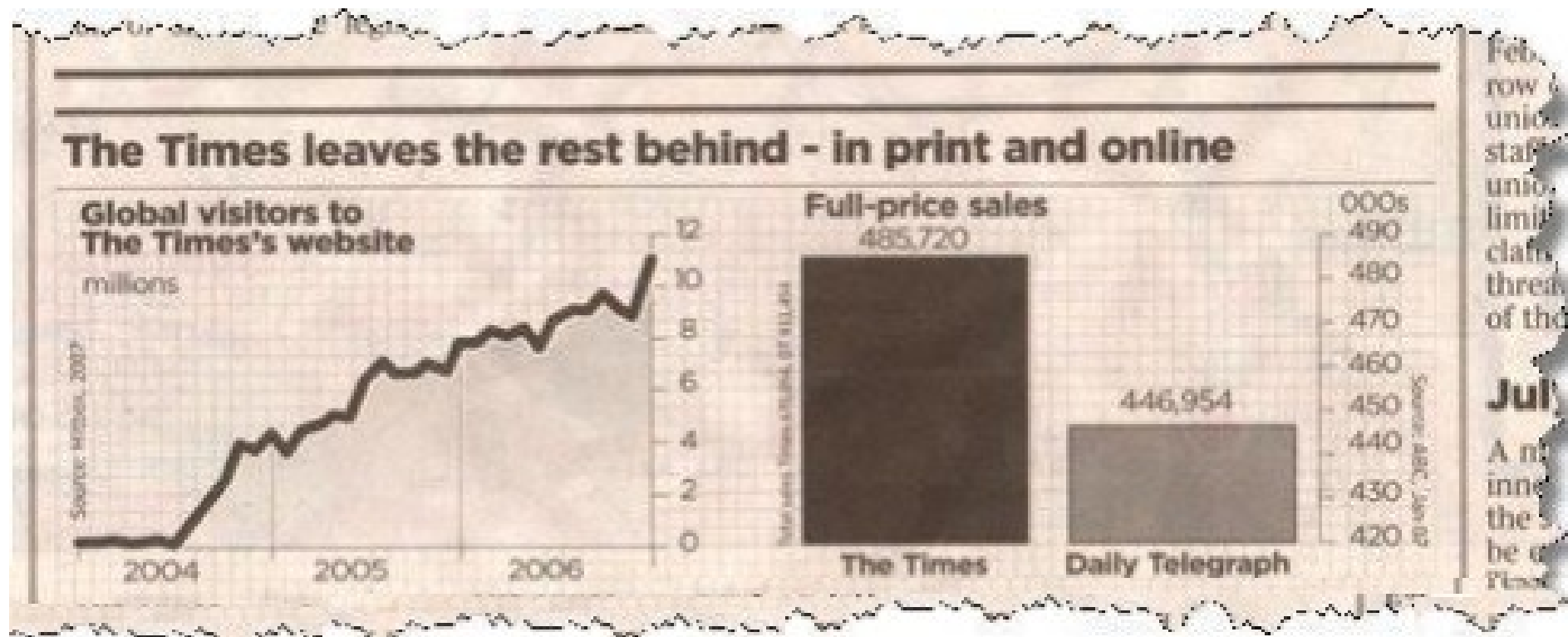
- git add -A
- git commit -m ``Your notes about commit here"
- git push

THINK



Plot 1

What can you infer?



Plot 2

What can you infer?

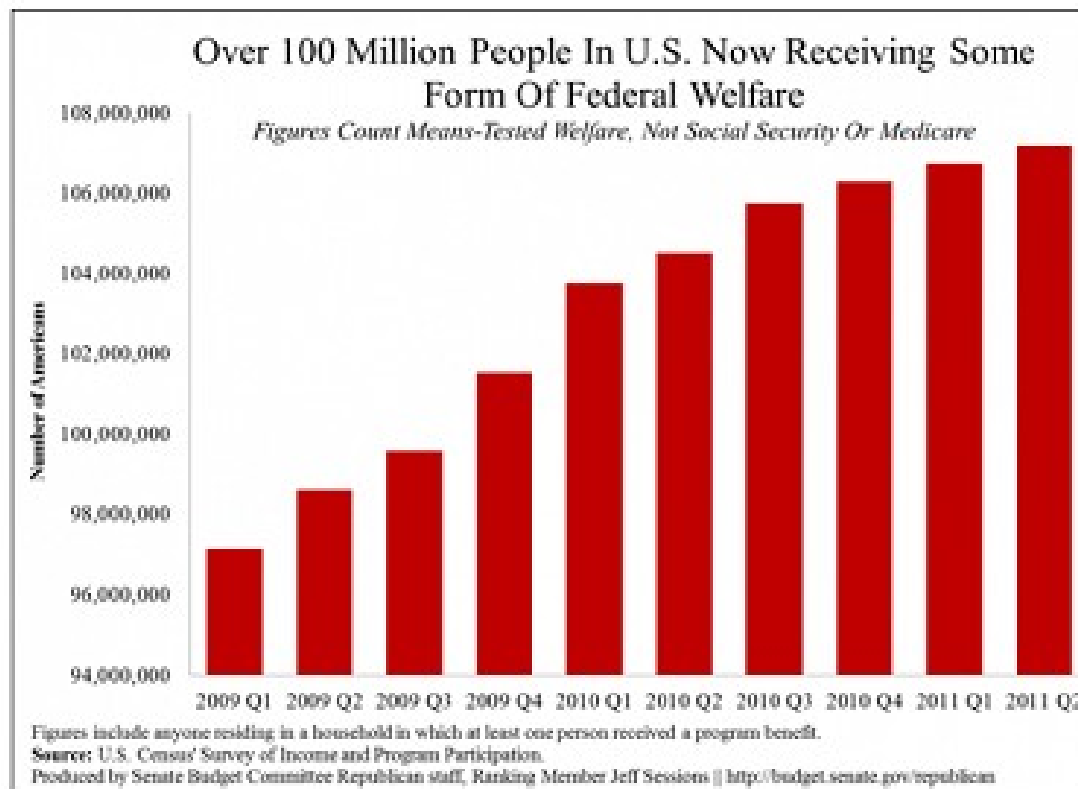
THE BLOG

Over 100 Million Now Receiving Federal Welfare

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

 [PDF PAGE](#)  [PRINT](#)  [LARGER TEXT](#)  [SMALLER TEXT](#)  [ALERTS](#)    

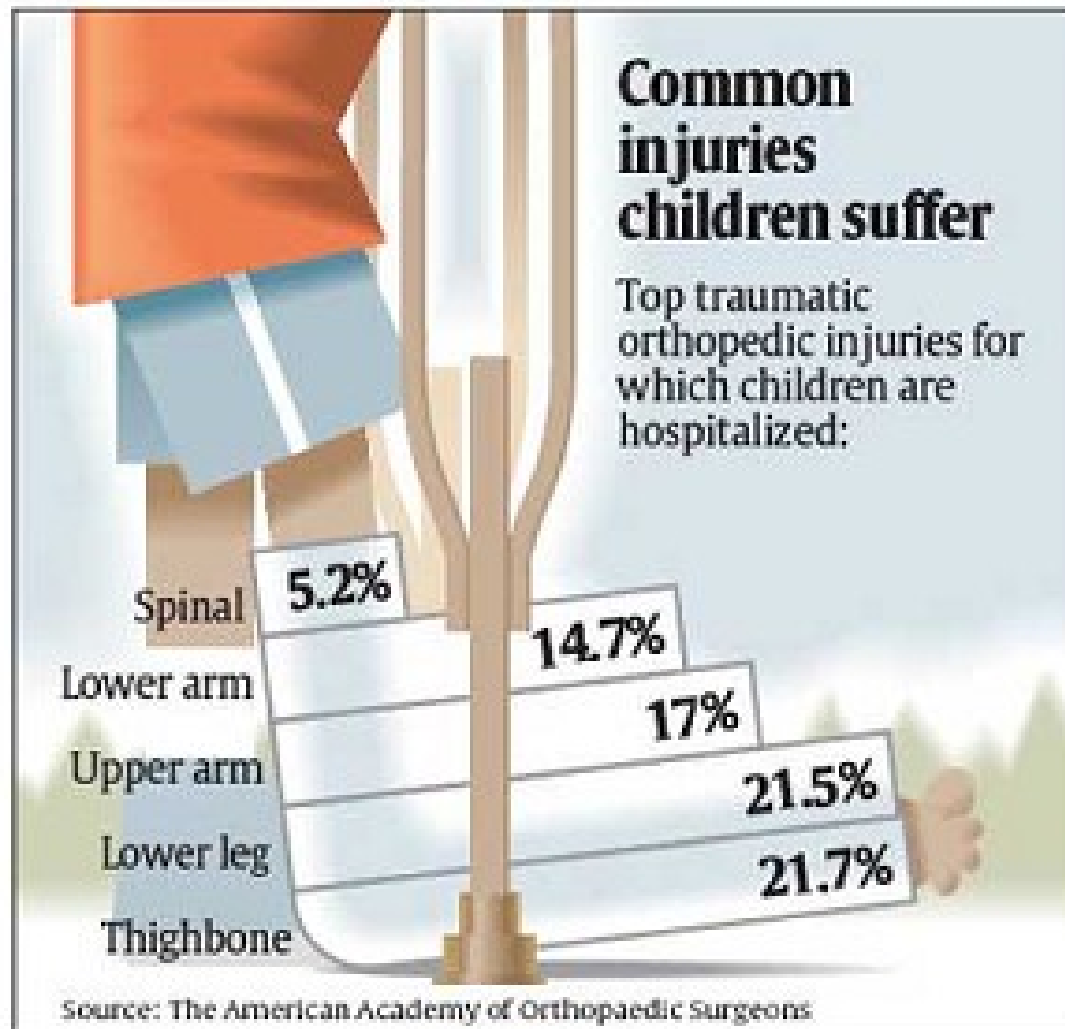
A new chart set to be released later today by the Republican side of the Senate Budget Committee details a startling statistic: "Over 100 Million People in U.S. Now Receiving Some Form Of Federal Welfare."



Plot 3

What can you infer?

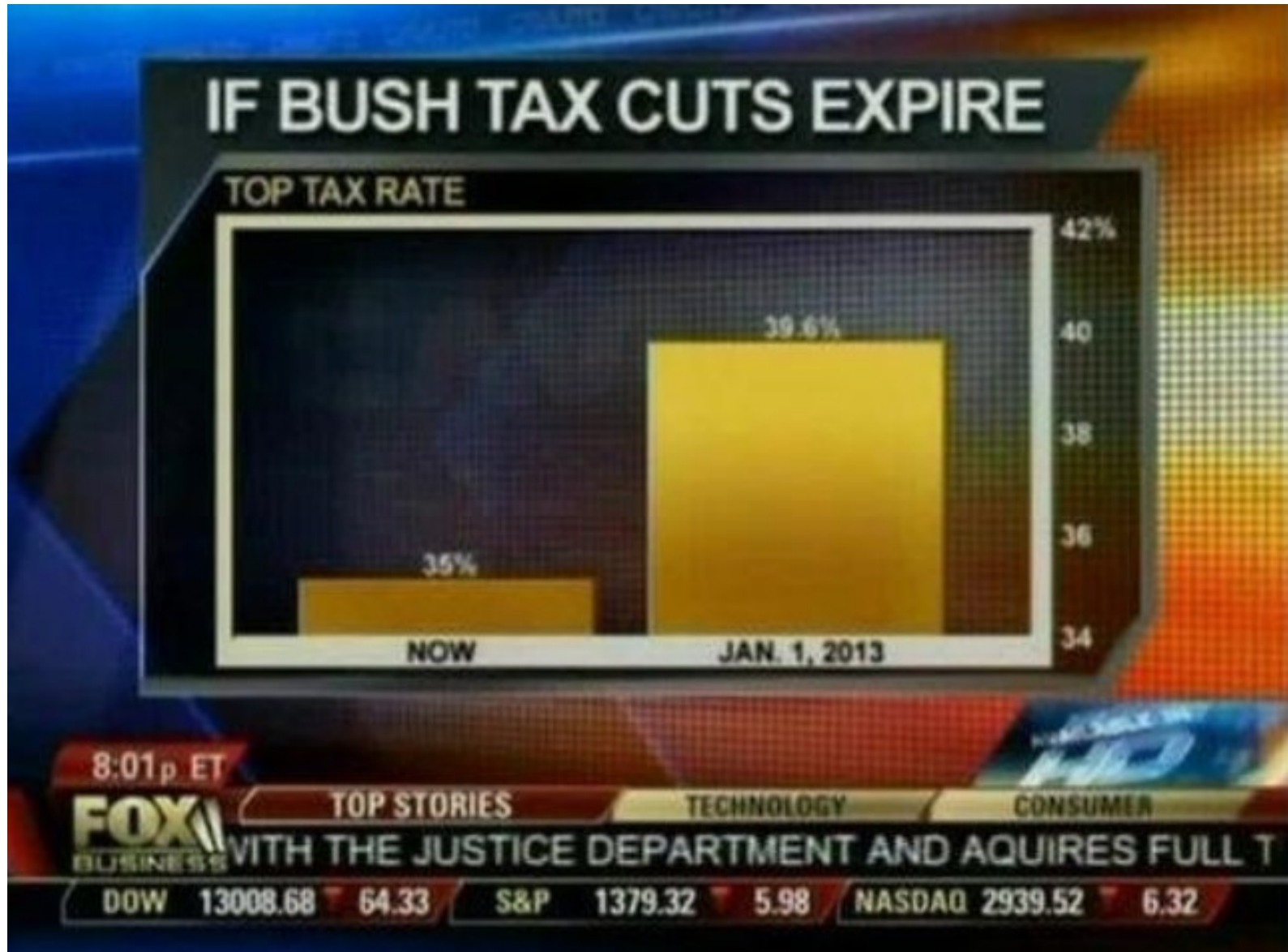
USA TODAY Snapshots™



By Shannon Reilly and Frank Pompa, USA TODAY

Plot 4

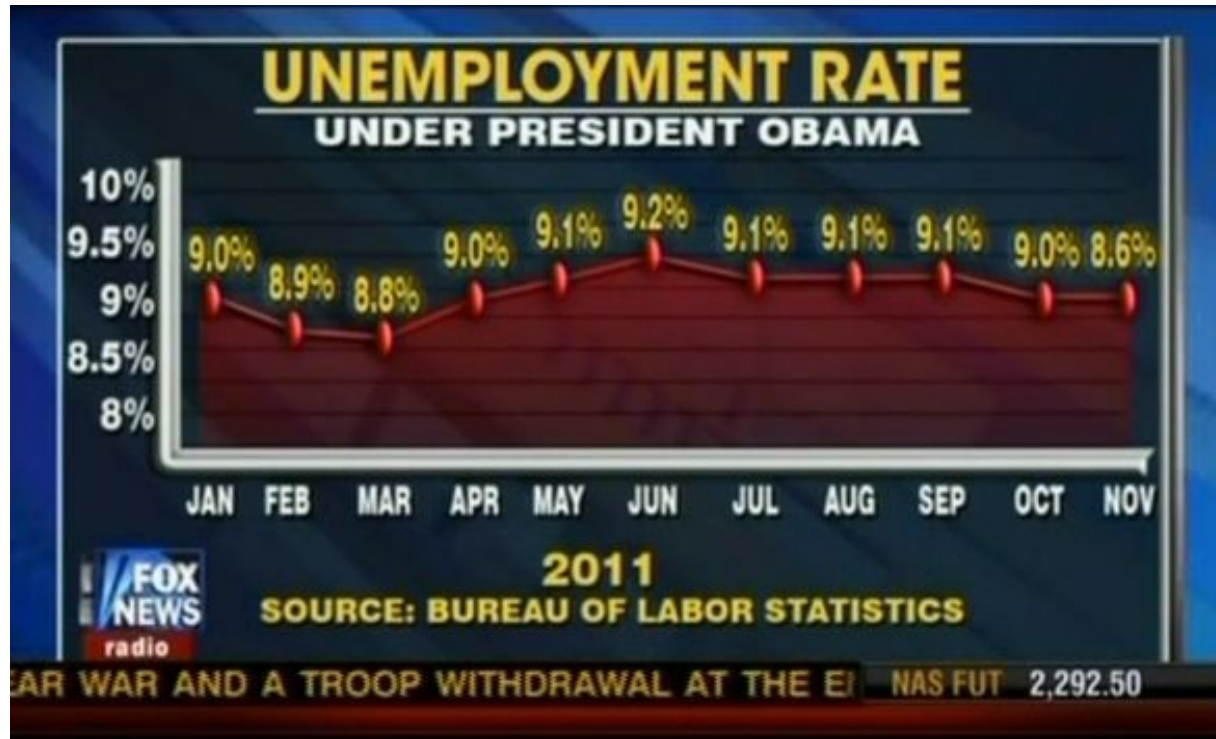
What can you infer?





Plot 5

What can you infer?



Same data
as above?

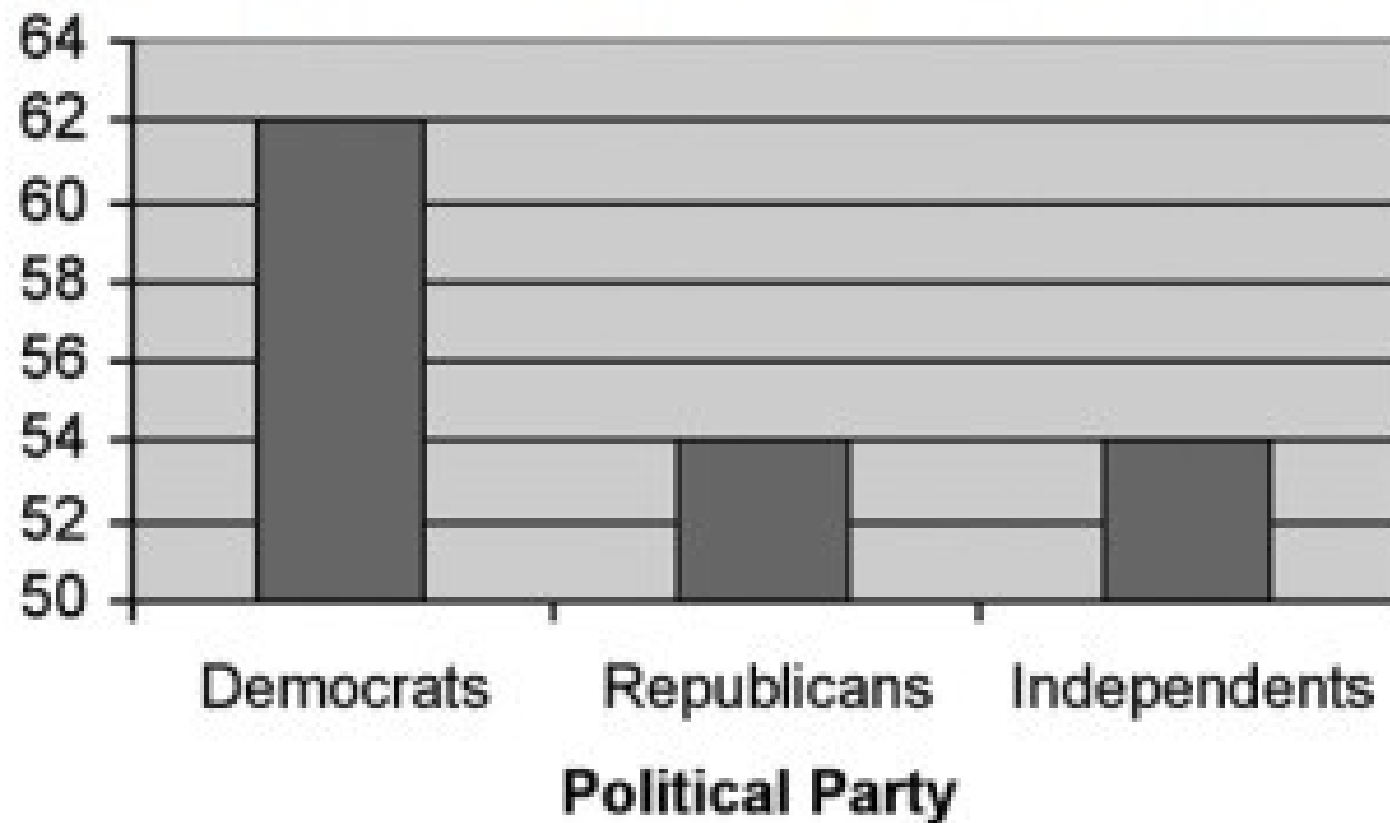




Plot 6

What can you infer?

Percent Who Agreed With Court





Plot 7

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

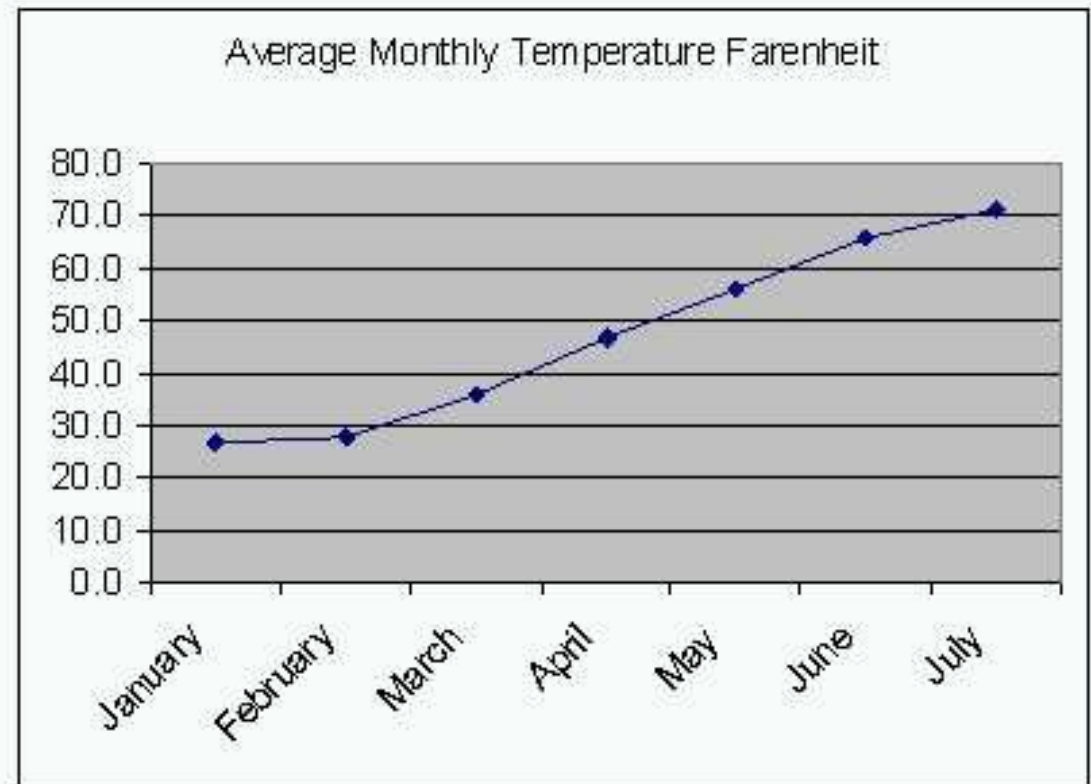


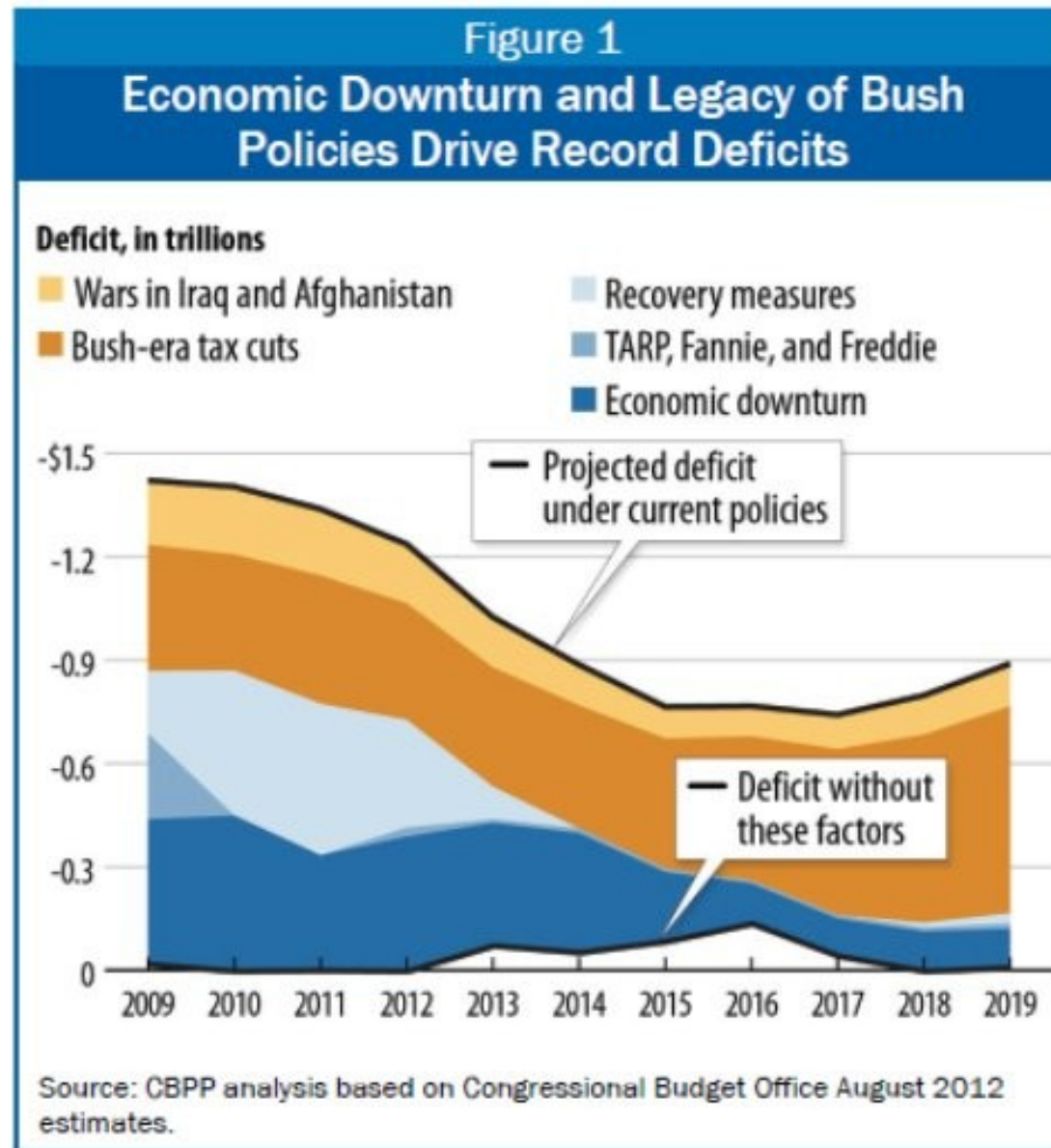
Figure 2

Average monthly temperature in New Haven, CT.



Plot 8

What can you infer?





Plot 9

What can you infer?

Job and Health Insurance Losses Accelerating
14,000 People Becoming Uninsured Every Day

