

# Task\_1: Critique & Redesign

## Goals:

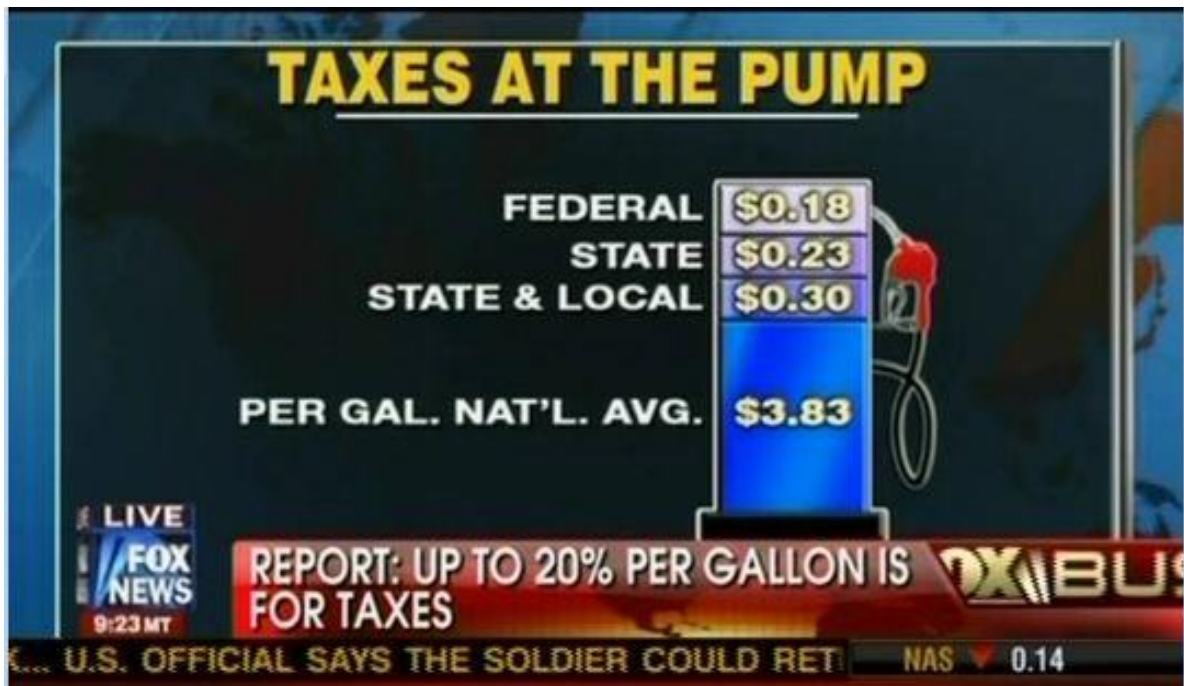
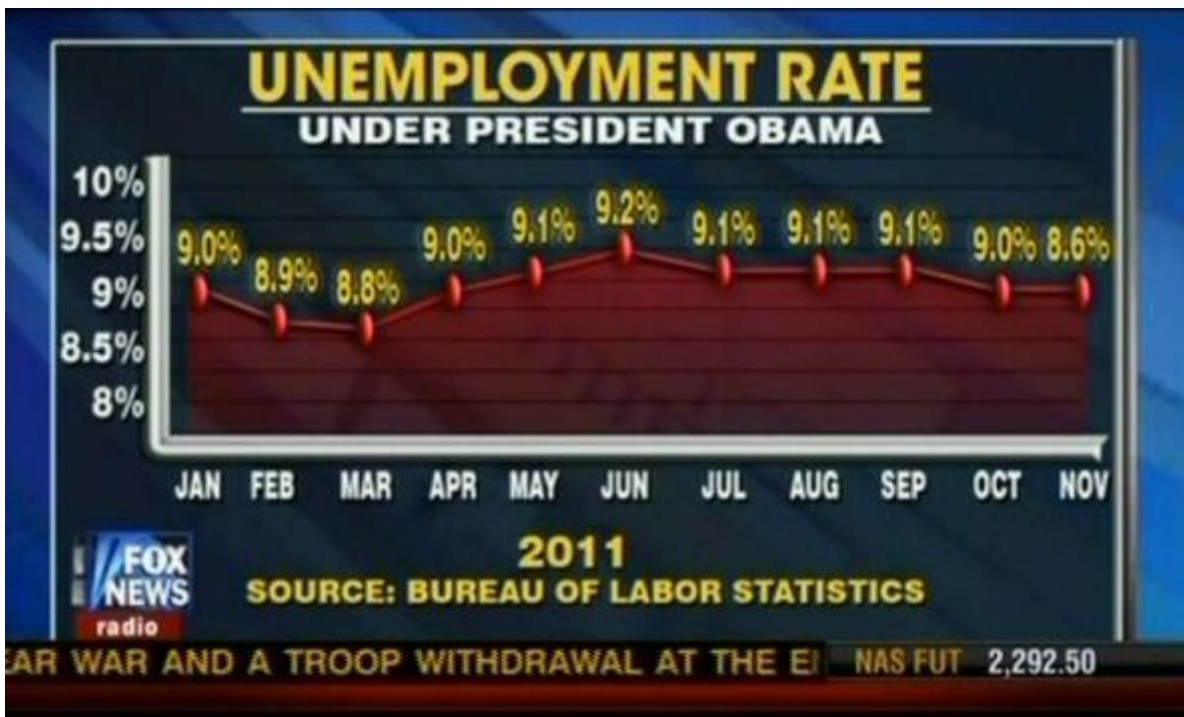
- Discover common flaws and mis-interpretations of visualizations
- Create visualization guidelines
- Design improved visualizations

## Tasks:

1. Analysis (10min)
  - *Individually*
  - Look at all the charts provided
  - list as many flaws as you can
2. Discussion (10 min)
  - *With your neighbor,*
  - discuss the flaws you found
  - compile a list of common flaws/pitfalls you found.
  - Give each pitfall
    - a name (e.g., 'Axes truncated')
    - and an implication of how this might affect people's (mis)interpretation ('People will mis-interpret differences between values on the y-axis. People might misinterpret actual sizes. Etc.')
  - Discuss faults in class

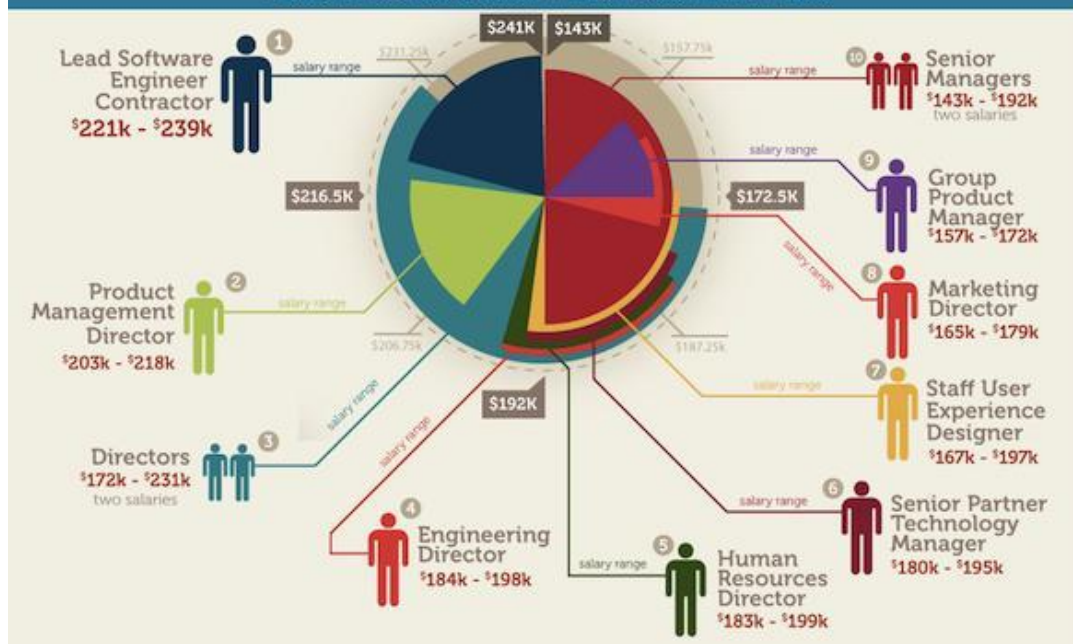
## break

1. Re-design (30min)
  - *with your neighbor*
  - pick 2 visualizations from the charts provided
  - for each visualization, sketch 2 possible redesigns
  - Argue with the guidelines (see above) and state where guidelines can be violated.
2. Guidelines (20min)
  - *with your neighbor,*
  - formulate visualization guidelines to overcome these flaws/pitfalls. Use careful formulations: "Do X"; "Avoid Y"; "If X, then Y"; "Keep in mind that X", etc.
3. Show visualizations on wall (20min)

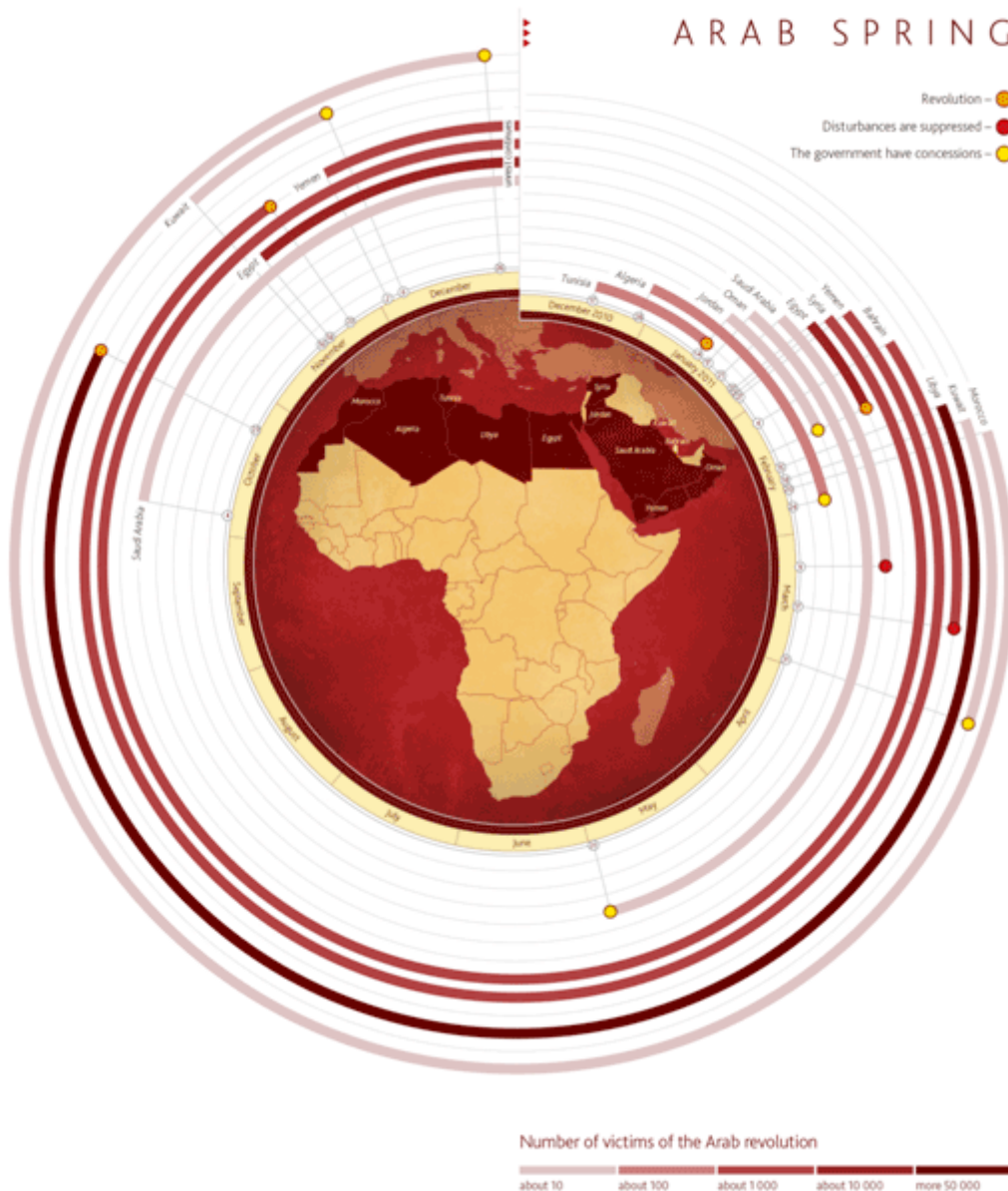


# top 10 salaries at Google™

RANGE FROM \$143,000 TO \$241,000 PER YEAR.



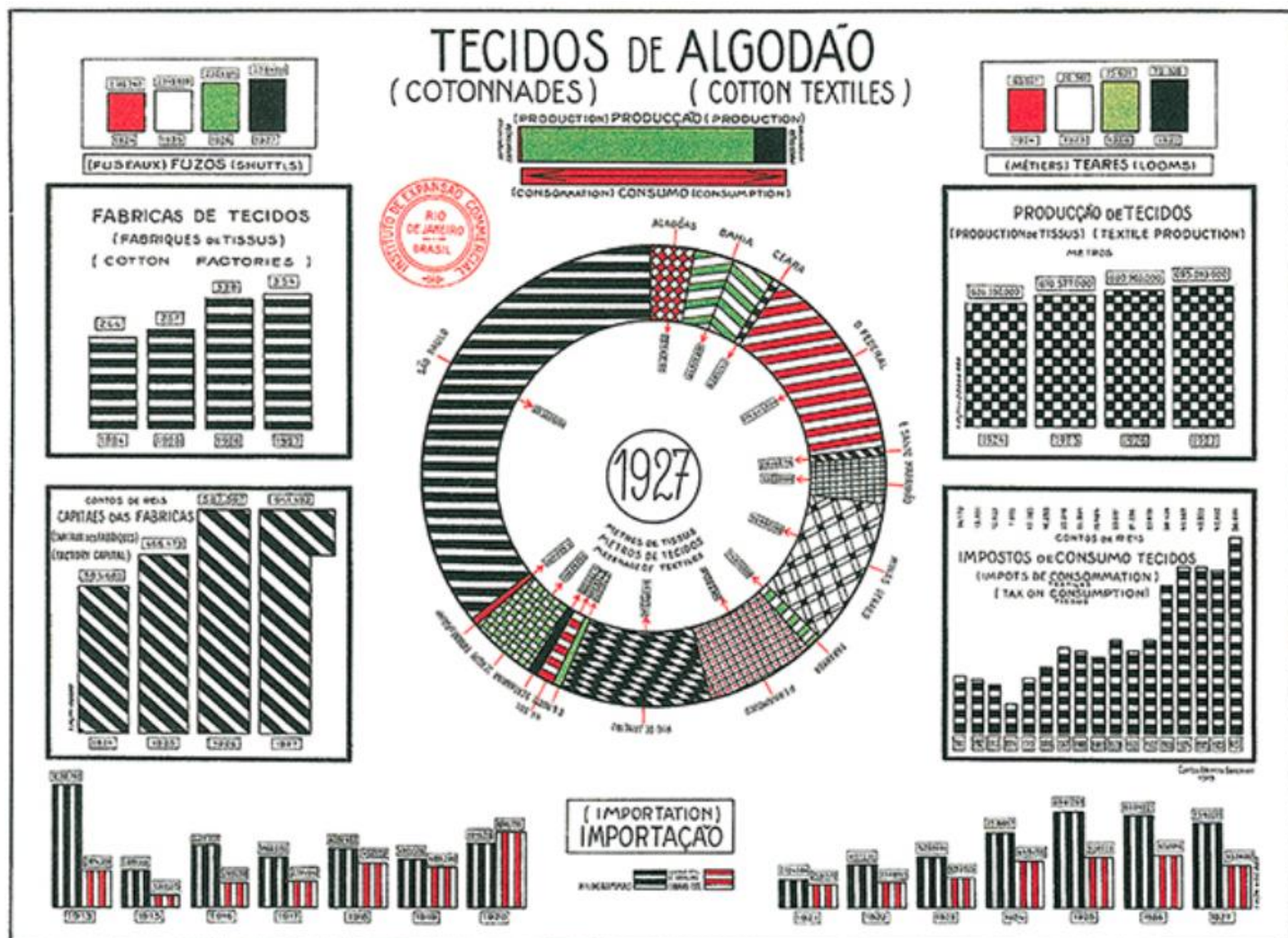
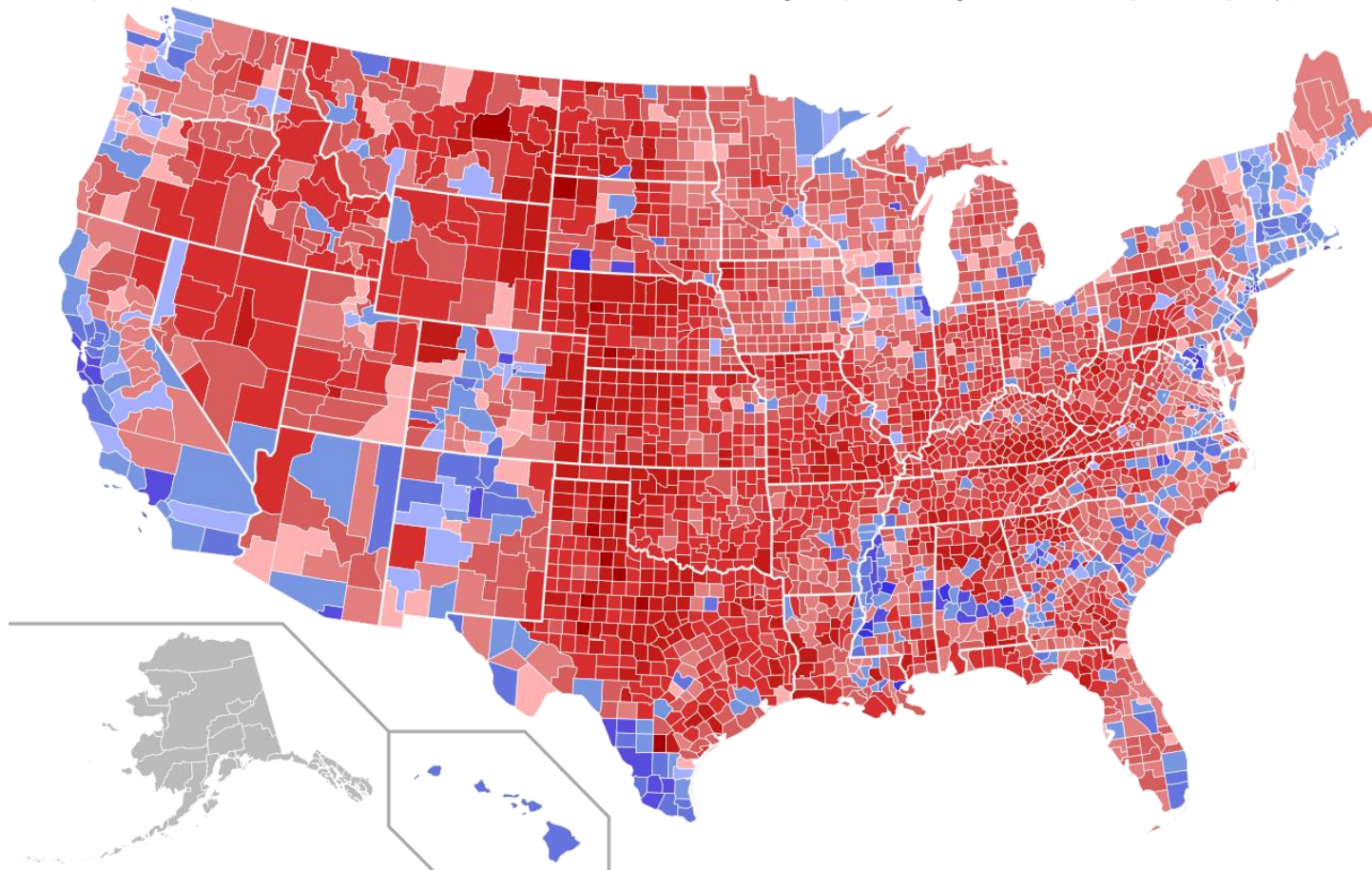
## ARAB SPRING



## US PRESIDENTIAL ELECTION 2016



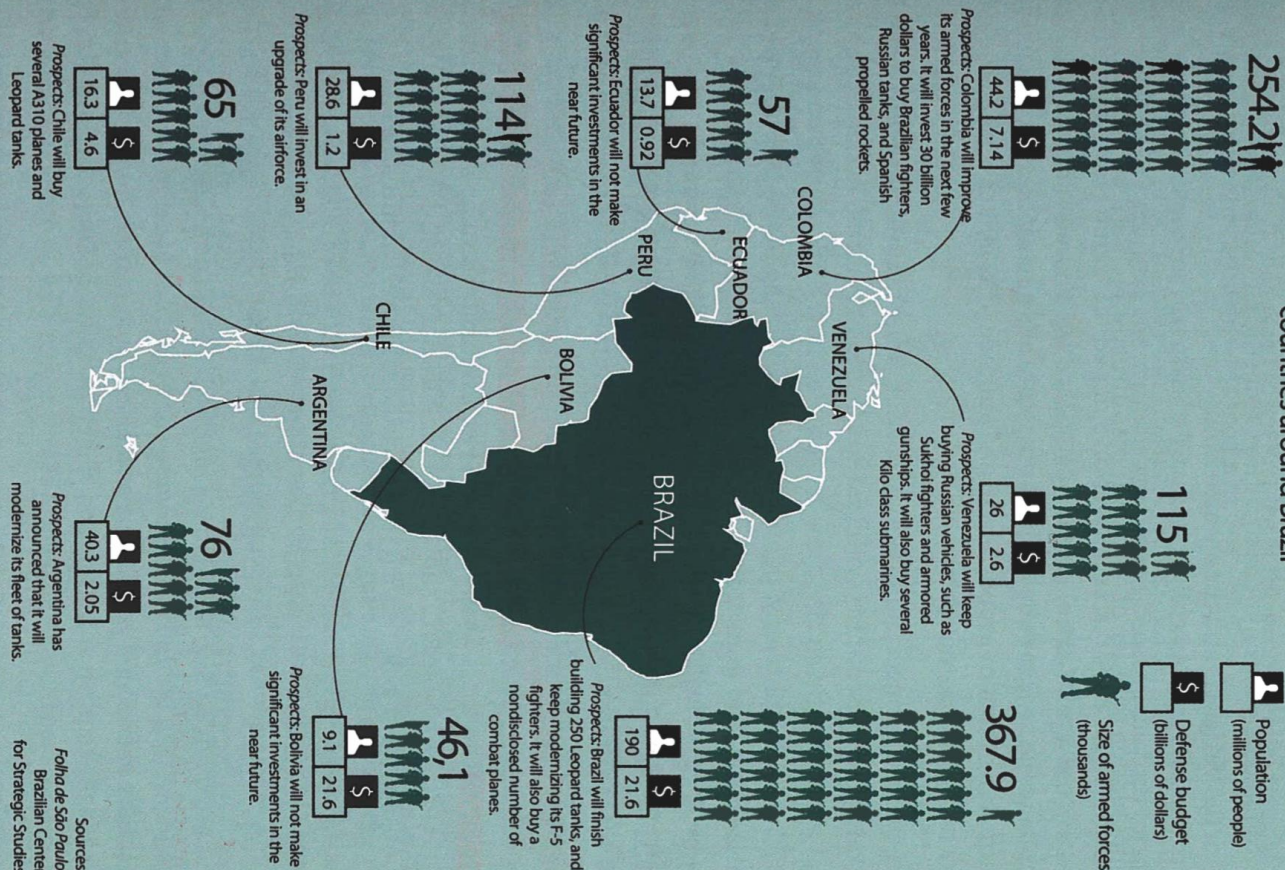
(red=Republicans, blue=democrats, dark colors mean higher percentages for the respective party)





## THE DEFENSE OF THE NEIGHBORS

An overview of the armed forces of countries around Brazil



## Unemployment rates by region (in October)

Percentage change compared to previous month

