

# Data Visualization

## Part 3

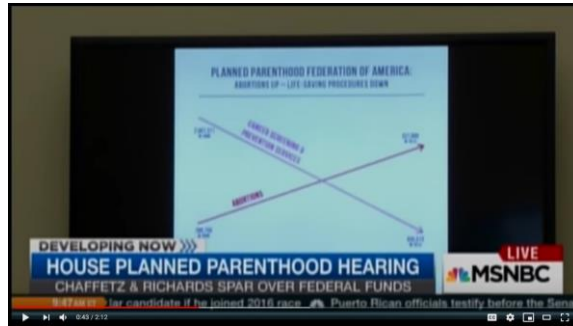
Deepak Kumar

### How Charts Lie

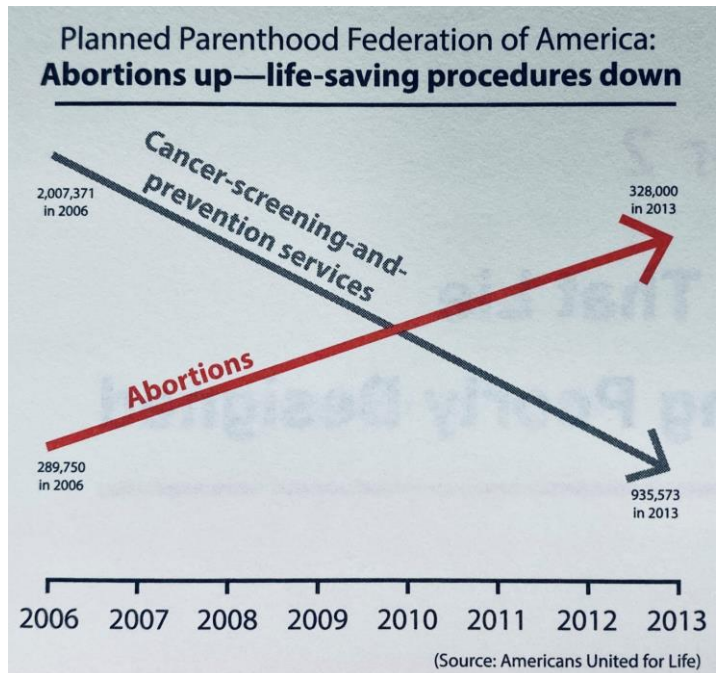
- By being poorly designed
- By displaying dubious data
- By displaying insufficient data
- By concealing or confusing uncertainty
- By suggesting misleading patterns

Tuesday, September 29 2015

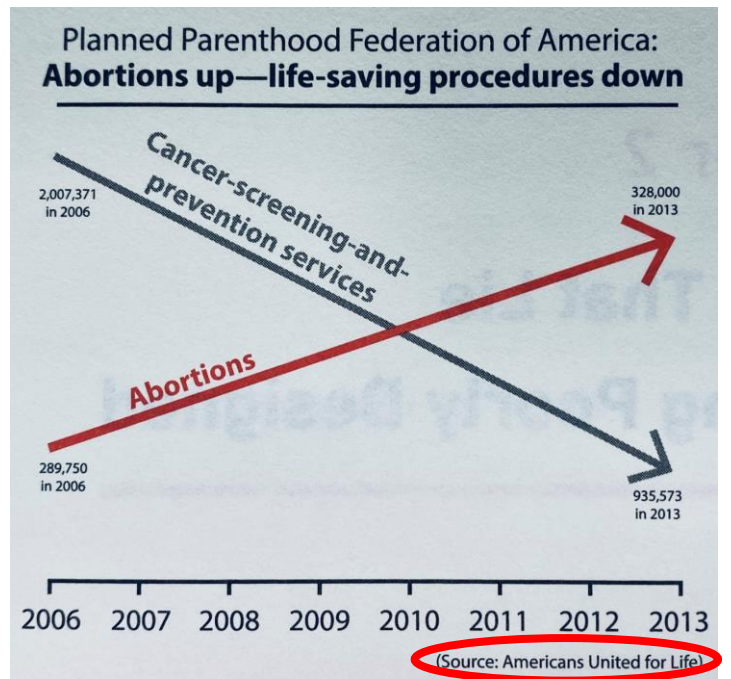
- Cecile Richards  
Former President of Planned Parenthood
- Jason Chaffetz  
Utah Rep. (R)



The Chaffetz Chart



## The Chaffetz Chart

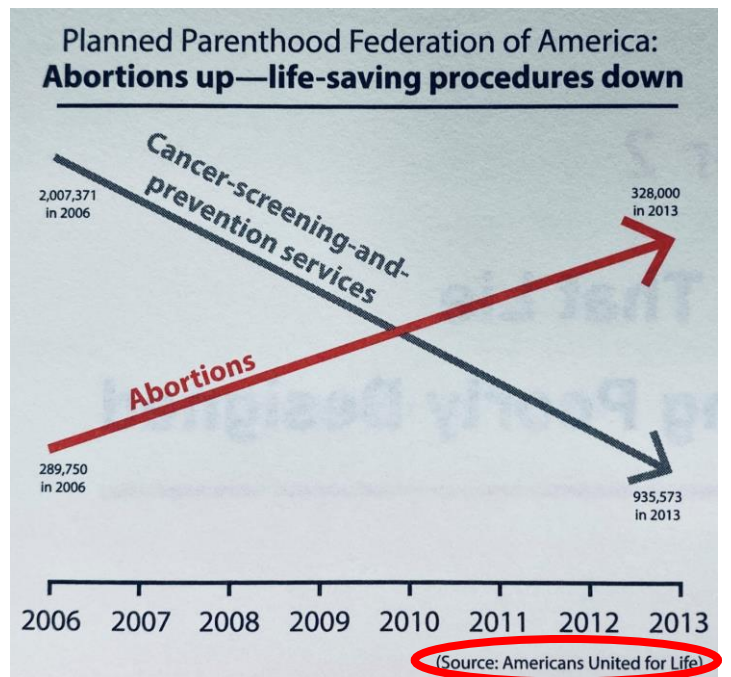


## The Chaffetz Chart

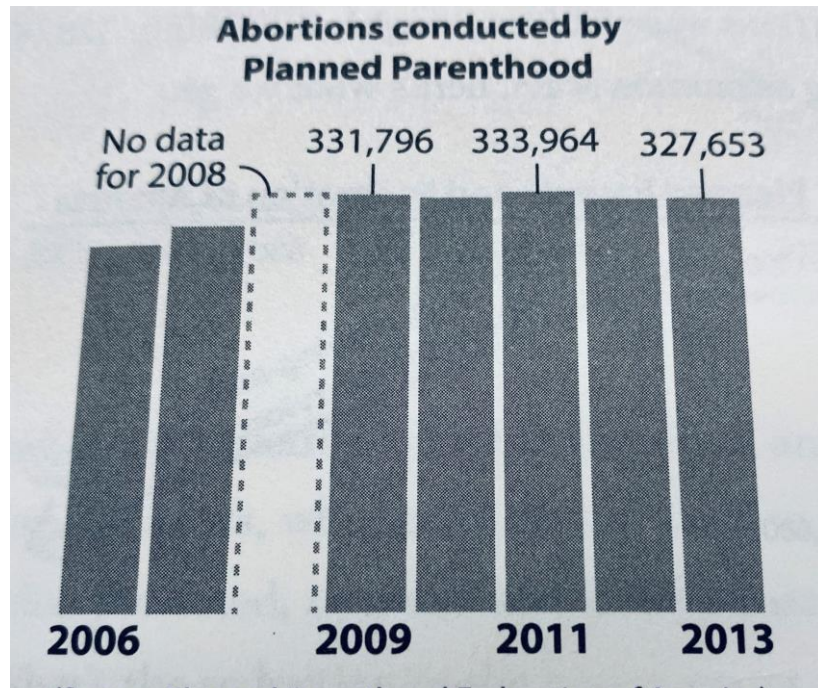
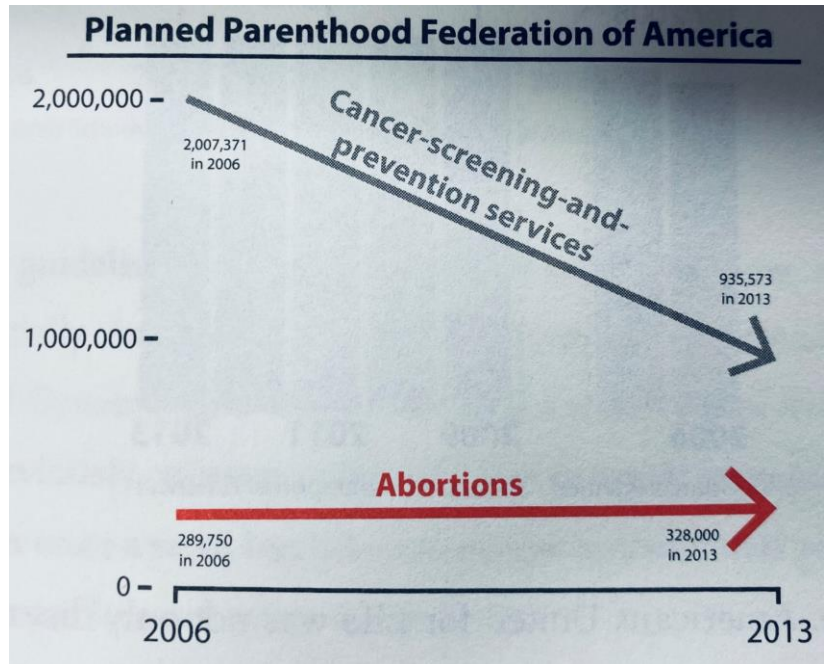
The data is correct, and from Planned Parenthood's reports.

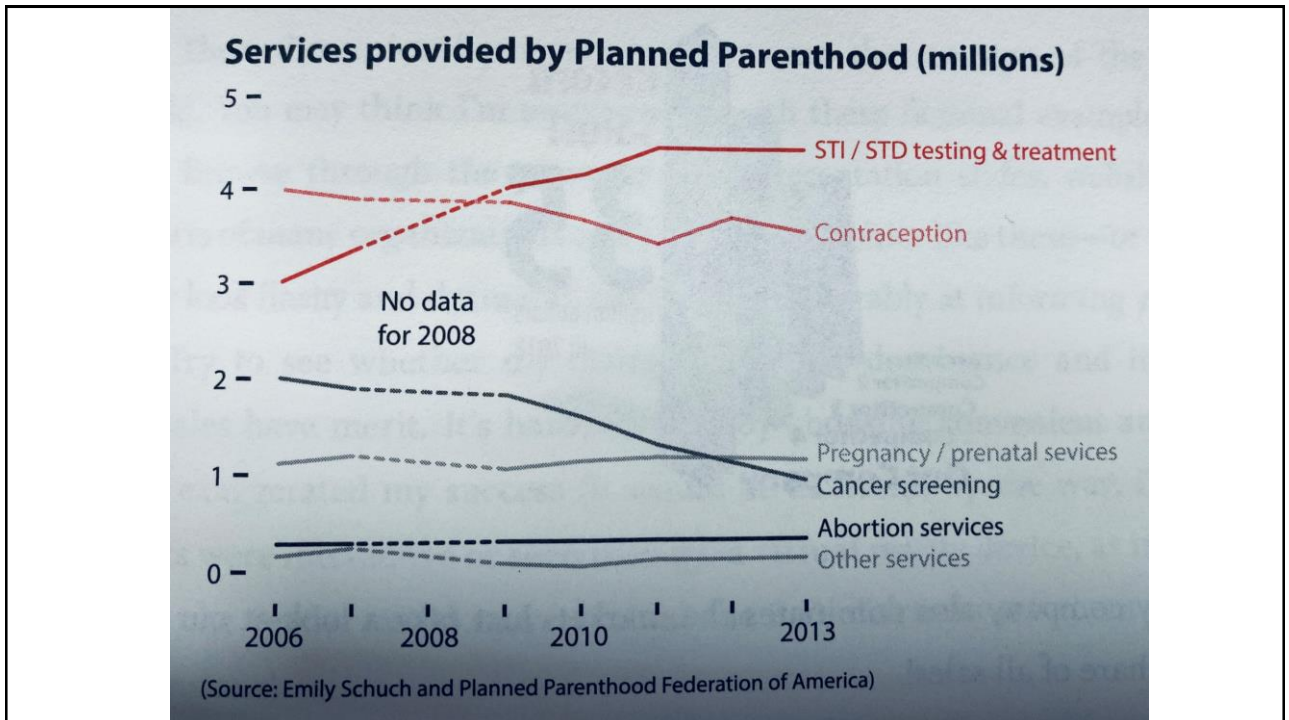
AUL's represented deliberately misrepresented the data.

It is using a different vertical scale for each variable.



Correct Chart





## References

1. Alberto Cairo. How Charts Lie. Norton. 2019.
2. Andy Kirk, Data Visualisation: A Handbook for Data Driven Design. 2dn Edition. Sage Publishing, 2019. Website: <http://book.visualisingdata.com>