

# Entertainment

## Intro to Data Visualization

Gaston Sanchez

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# Data Art Visualizations

# Visualization Continuum



# About Data Art

## Nathan Yau (Data Points)

There's value in entertaining, putting a smile on someone's face, and making people feel something, as much as there is in optimized presentation.

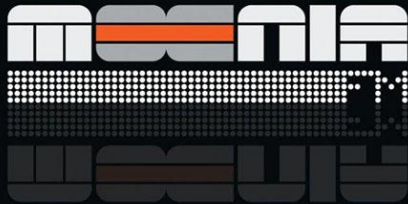
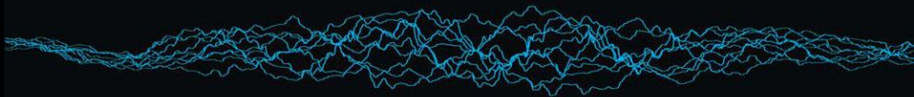
# About Data Art

## Stephen Few (Perceptual Edge)

Data Art: visualizations that strive to entertain or to create aesthetic experiences with little concern for informing.

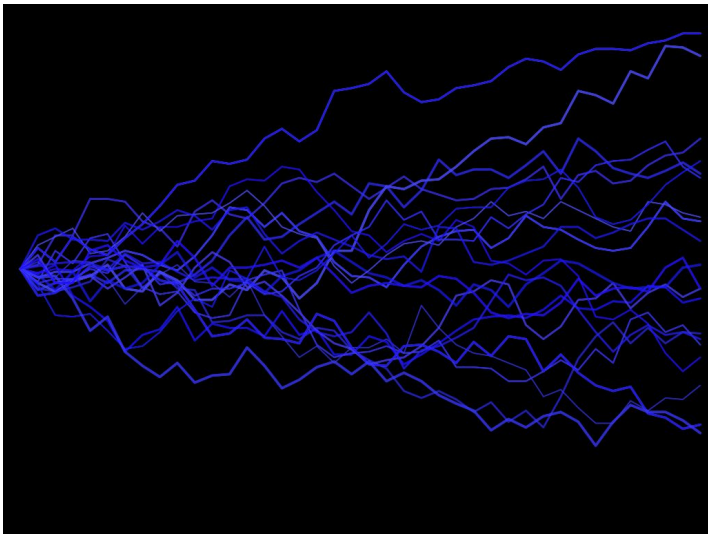
Some years ago . . .







I'm an Rtist!



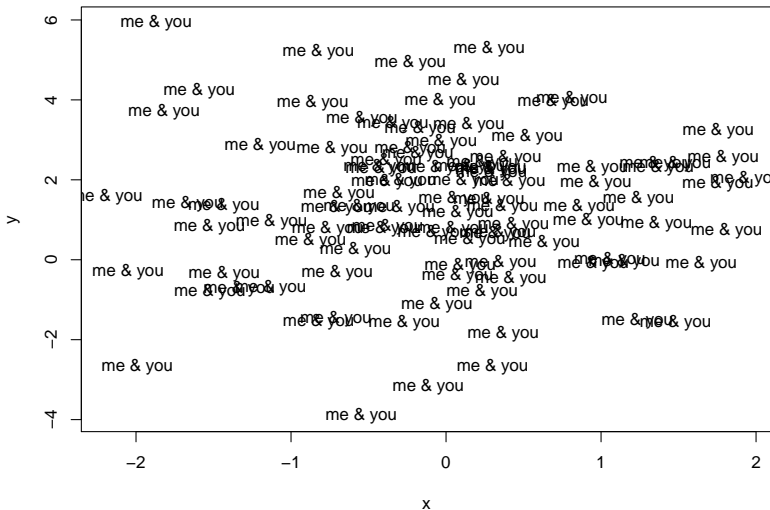
# Me and You

# For your significant other



# For your significant other

```
# Number of data points  
n <- 100  
  
# random x-y coordinate values  
set.seed(333)  
x <- rnorm(n)  
y <- rnorm(n, 1, 2)  
  
# scatter-plot  
plot(x, y, type = "n")  
text(x, y, labels = "me & you")
```

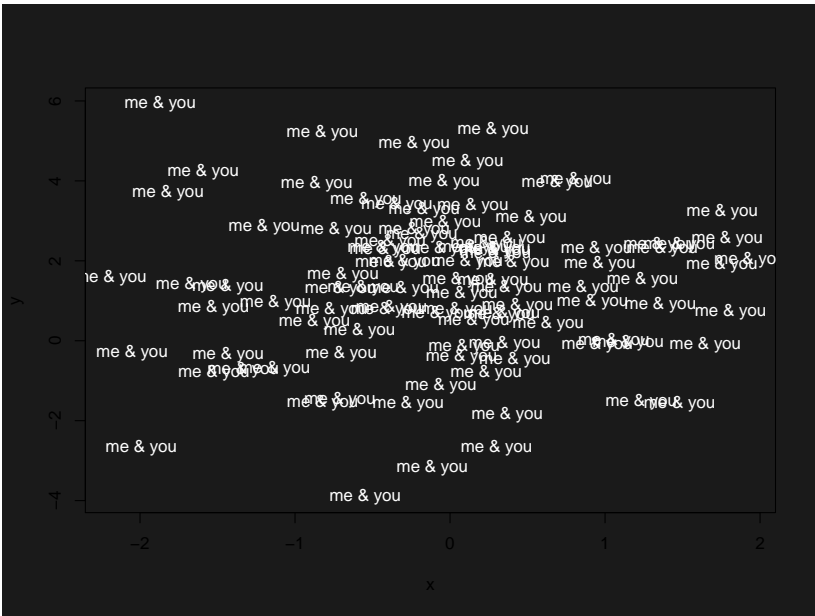


# For your significant other

```
# dark gray background
op <- par(bg = "gray10")

# plot text
plot(x, y, type = "n")
text(x, y,
      labels = "me & you",
      col = "white")

# reset default graphical parameters
par(op)
```

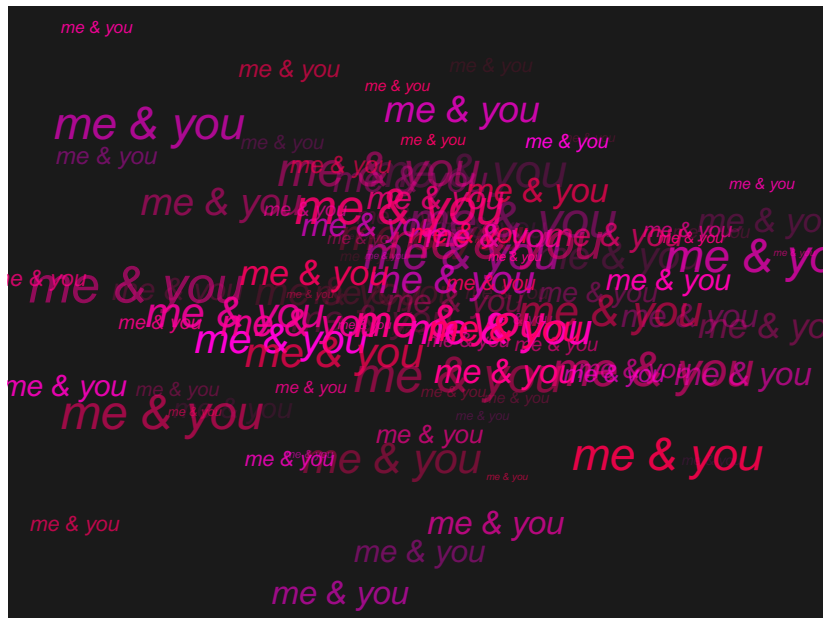


## For your significant other

```
# text size and colors
sizes <- runif(n, 0.5, 3)
hues <- runif(n, 0.85, 0.95)
alphas <- runif(n, 0.1, 1)

# plot
op <- par(bg = "gray10", mar = rep(0, 4))
plot(x, y, type = "n", axes = FALSE, xlab = '', ylab = '')
text(x, y,
     labels = "me & you",
     font = 3,
     col = hsv(hues, 1, 1, alphas),
     cex = sizes)
par(op)
```





# Humor

# Trustworthiness of Beards



Designed by Matt McInerney

[http://pixelspread.com/images/beards\\_trust\\_2.jpg](http://pixelspread.com/images/beards_trust_2.jpg)

# Trustworthiness of Beards

**Very Trustworthy**

**Mildly Trustworthy**

Full Beard

The Philosopher

Goatee + Mustache

Full Mustache  
a.k.a.  
The Wilford Brimley

Cop Mustache  
a.k.a.  
The Burt Reynolds



# Trustworthiness of Beards

## Neutral

Chin Strap  
a.k.a.  
The Abe,  
The Lincoln



Sideburns



Friendly Chops



Chin Tuft + Mustache  
a.k.a.  
The Colonel Sanders



# Trustworthiness of Beards

**Dangerous**

**Disastrous**

Patchy Beard  
a.k.a.  
The Sidney Crosby



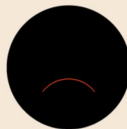
Pencil Thin Chin Strap



Werewolf



Pencil Thin Mustache  
a.k.a.  
The John Waters,  
The Joe Jackson



The Hitler



Interesting

# Wind Patterns

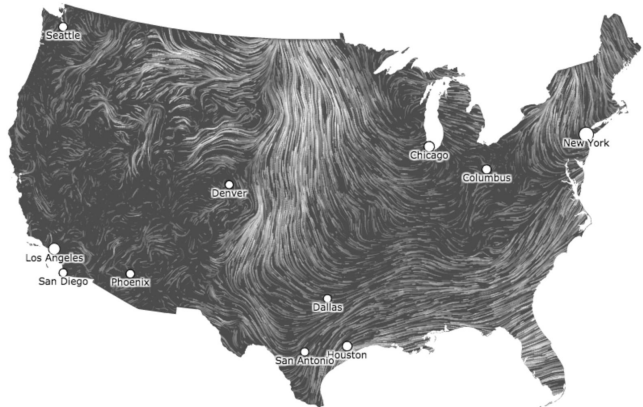
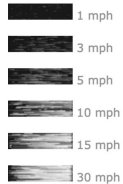
**August 28, 2016**

12:36 pm EST

(time of forecast download)

top speed: **20.8 mph**

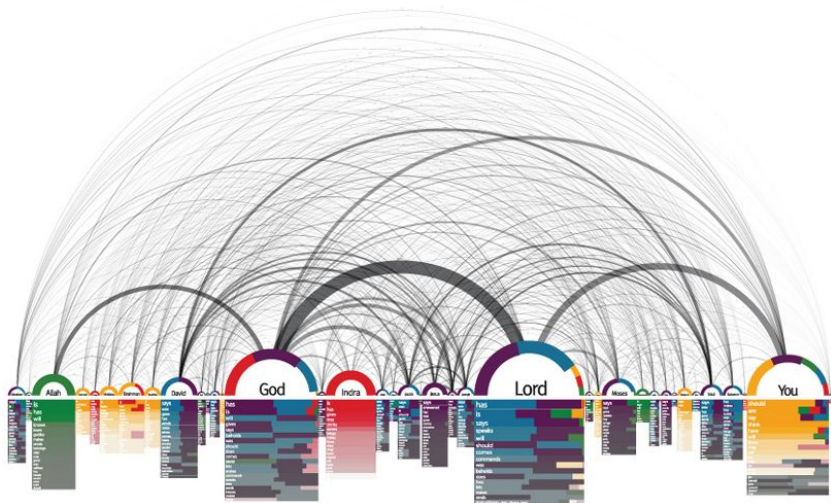
average: **6.4 mph**



<http://hint.fm/wind>



# Similar Diversity (by Steinweber and Koller)



<http://similardiversity.net/>

## (Dis)similarities between five world religions

 Christianity

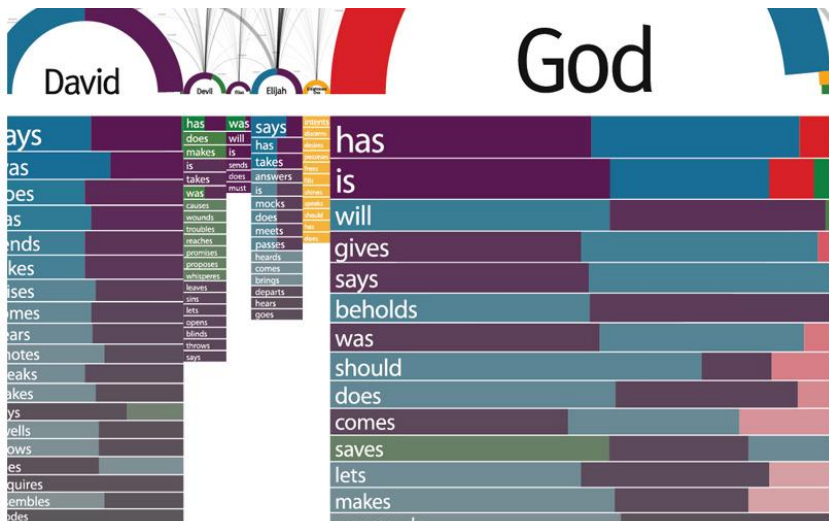
 Islam

 Hinduism

 Buddhism

 Judaism

# Similar Diversity (by Steinweber and Koller)



# Playing with Arc Diagrams

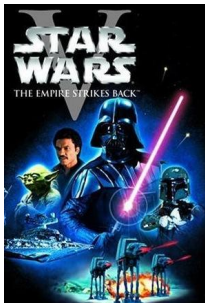


# STAR WARS

# Star Wars Original Trilogy



Episode IV



Episode V



Episode VI

STAR WARS

Episode V

THE EMPIRE STRIKES BACK

Script adaptation by  
Lawrence Kasdan and Leigh Brackett  
from a story by  
George Lucas

LUCASFILM LTD.

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A long time ago, in a galaxy far, far, away...

It is a dark time for the Rebellion. Although the Death Star has been destroyed, Imperial troops have driven the Rebel forces from their hidden base and pursued them across the galaxy.

Evading the dreaded Imperial Starfleet, a group of freedom fighters led by Luke Skywalker has established a new secret base on the remote ice world of Hoth.

The evil lord Darth Vader, obsessed with finding young Skywalker, has dispatched thousands of remote probes into the far reaches of space...

Star Wars: Character Dialogues  
Arc-diagram

Episodes

- IV
- V
- VI

