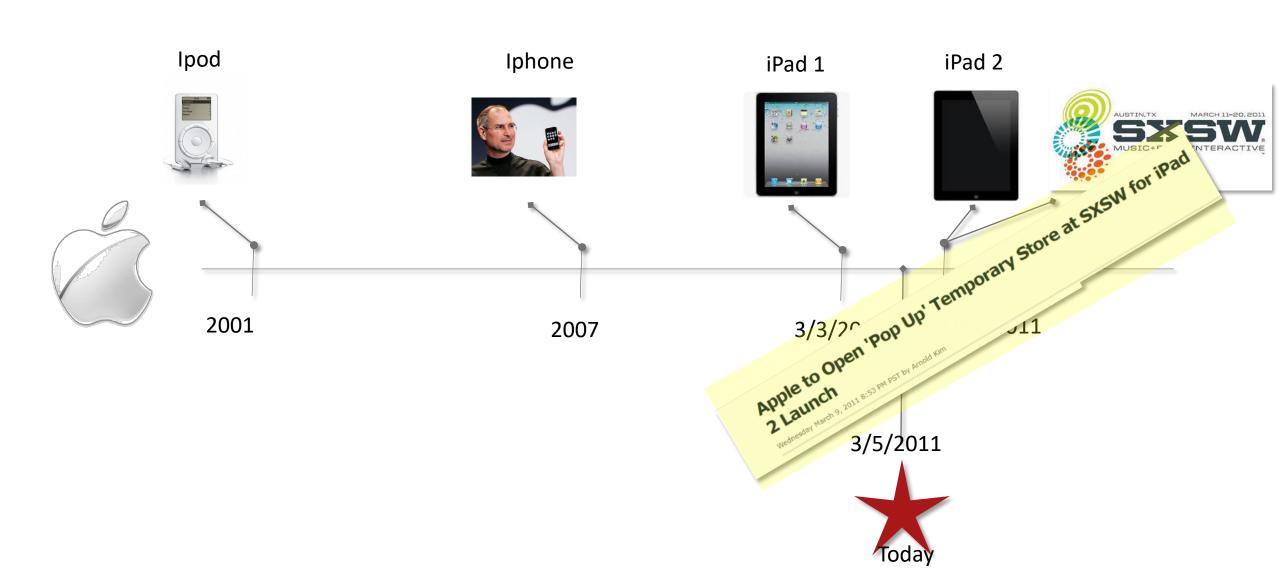


# SENTIMENT ANALYSIS

What are people saying about the new iPad 2?



# Background



## **Business Problem**



## SENTIMENT ANALYSIS

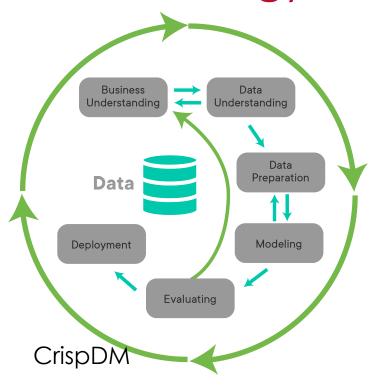


- 1. Summary of Feelings on The Brand
- 2. The Launching of Ipad2 & Reaction to the Mobil Store
- 3. Negative Feedback on Apple Products

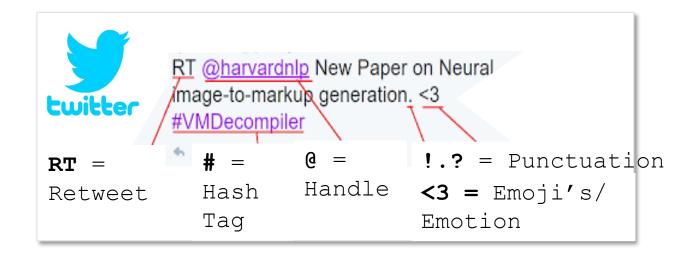
## **Business Value**

- Brand Health
- Customer Acceptance
- PR/ Advertising Strategy
- Future Product Development

# Methodology



Data = #SXSW Hashtag + Positive, Negative Sentiments





"Is About Bringing People From A Wide Array Of Business And Creative Disciplines Together To Figure Out The Future...

It's A Forward-Thinking Event." -Wired.Com

## Model Results

## 86% Accuracy





Classifying

- Positive or Negative Tweets



## Summary of Feelings ~ 9k Tweets

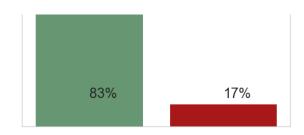
### Buzz

	Frequncy
Other/None	64%
Apple	27%
Google	8%



### **Sentiment Splits**







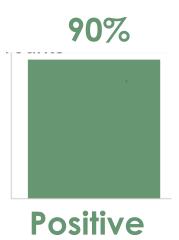
- "Apple out-markets all comers at #sxsw"
- "The apple popup store was off the hook last night at sxsw"
- "Wow. Just saw someone using a computing device other than a Mac or Ipad here at sxsw" A rare sighting indeed
- "Apple takes bruises from panelists. Not well regarded in sustainability space. Corporate Sustainability Reporting and Transparency. #SXSW
- Kara Swisher: Apple is the most stylish fascist company in America #sxsw
- First talk of the day : Ipad design headaches. #SXSW







# The Launching of Ipad2 & Reaction Mobile/ Launch Store Tweet Contains - "iPad 2" or "Store"







Before It Even Begins, Apple WinsåÊ#SxSW, {link}-> gonna get sum! via @mention

Long line at Apple Pop up store for iPad 2. Great marketing, Apple. #SXSW

IPad 2 is better..they have had time to improve #sxsw

10%

**Negative** 



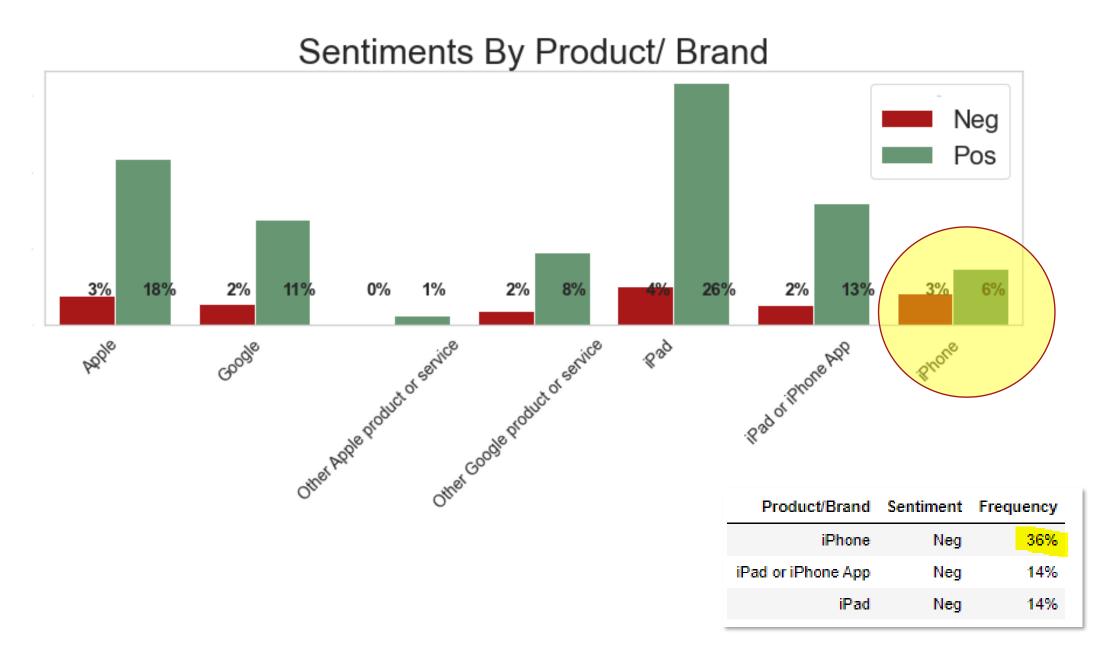


- twitter Launch Store:
  - Long Lines
  - Ran out of Inventory
  - Ipad 2
    - Camera/ odd/ quality
    - Held back feature on #1

RT @mention #sxsw #csr reporting: Janecek: Microsoft gives \$ to charity. Apple gives nothing. Everyone in room has iPhone.
What drives that decision?

## #3

## Consumer Feedback Apple Products





### Negative Sentiment Tweets Containing the word "iPhone"





### Summary: Battery Life

"The iPhone battery was not made for #SXSW"

"I never realized how shitty my iphone battery was until #SXSW". I am charging every few hours

"The Hannukah miracle of the morning: uncharged iPhone still at 55%. #SXSW"

# Summary

- a) Brand In Good Health!
- b) Launch @ SXSW SUCCESS!
- c) Product Reviews Mostly Good!

# Future Work/ Next Steps

- a) Broaden Dataset
- b) Examine additional classifiers/ stacking classifiers
- c) Finer Classification
  - 1. Negative, Neutral, Positive
  - 2. Topic Modeling



Thanks For Your Time and Consideration!



# Appendix



### Consumer Feedback Apple Products

### Negative Sentiment Tweets Containing iPhone

```
battery

technology always

back iphone

while good then
life
tweeting pretty
every
ag made
hour shit very help
many
```



### Summary: Battery Life

The iPhone battery was not made for @mention #sxsw
I never realized how shitty by iphone battery was until #sxsw I'm
charging every few hours

#sxsw is exposing my iphone's horrendous battery life.

Regretting that I didn't bring my iPad to #sxsw. Seeing lots of times it
would be useful, especially for it's battery life. #woops

@mention glad I've not got a faulty iPhone then. That'll go down well
for #sxsw everyone's battery dies 5 times quicker. Hope @mention
knows.

The hannukah miracle of the morning: uncharged iPhone still at 55%
battery #sxsw

Just got my Mophie Juice Pack plus for my iPhone 4! Now I'm ready
for #sxsw. More than double the battery life #FTW

RT @mention I feel like my iPhone: Always on, always doing
something, running out of battery fast. #sxsw

### Misc Concerning Themes iPad1

#### 1. Feeling Obsolete/ Cheated

I'm a bit jealous seeing #SXSW attendees with #ipad2. My iPad seems so obsolete...

It's not all Apple love here at #sxsw. Heard quite a bit of grumbling about holding back features on iPad 1 so people would have to buy v2.

the first iPad didn't even exist here last year and I already feel like I'm pulling out an antique everytime I use my iPad #sxsw #pad2

#### 2. App Functionality

Major iPad design flaw: the SXSW Go iPad app. It doesn't stay open when you switch apps! #ipaddesignheadaches #sxsw

So I went the whole day w/out my laptop & Dy just used my iPad 1. Things I missed: FTP, cloudapp, fast typing, & Dy skype. #iPad #sxsw

#### 3. Back Button/ Typing

iPad design malady: iPad Elbow - I hate the iPad's back button with the heat of a million suns. #tapworthy #sxsw

Josh Clark: I hate the iPad's back button with the heat of a million suns.

#tapworthy #SXSW

@mention I hate typing on an iPad. So, yeah, THE Ken Calhoun is this man, the real deal! And I am bringing my laptop to #sxsw Sun.