

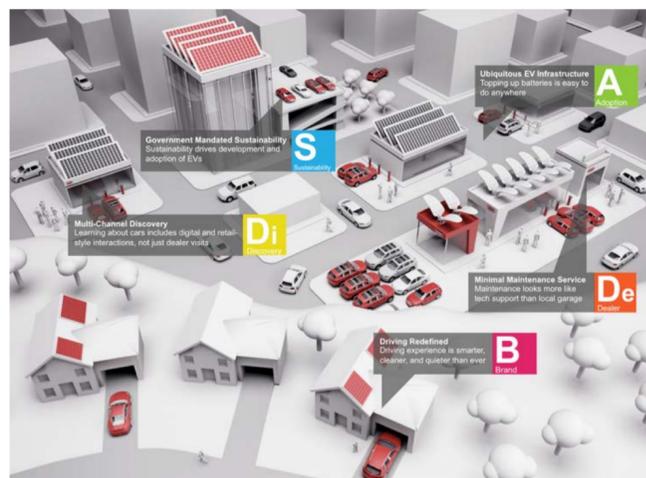
Designing Delightful Data Products

Alonzo Canada

Head of Product Design, Interana

alonzo@interana.com

 @acanada



Audi **Electric Vehicles**
Creating a strategy to drive adoption



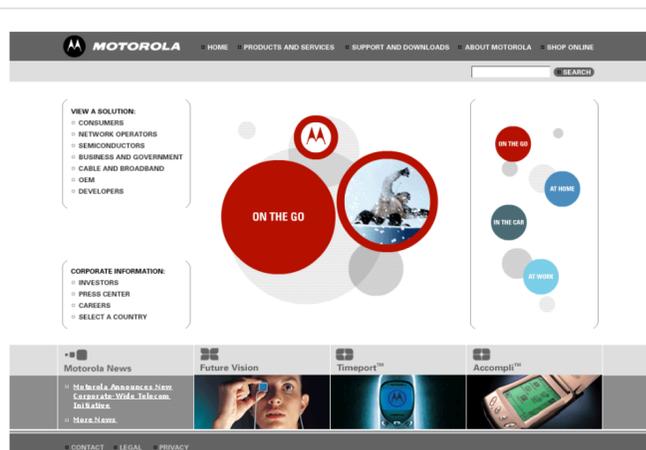
edmunds.com **Used Car Market**
Creating New Used Car Buying Services



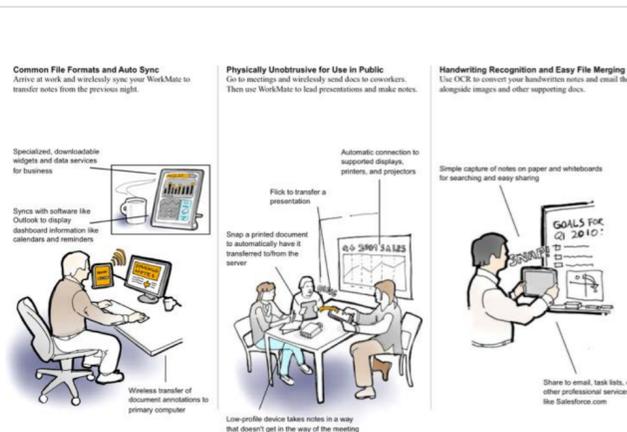
SAMSUNG **Social Apps**
Mobile apps to further device usage



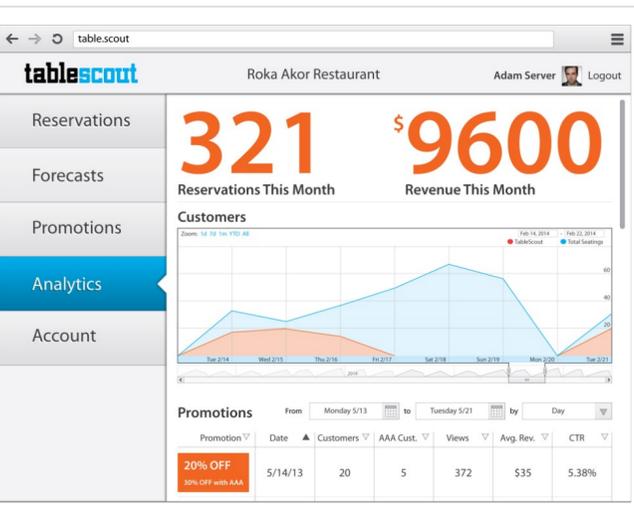
VW **Infotainment**
Platform digital connected experiences



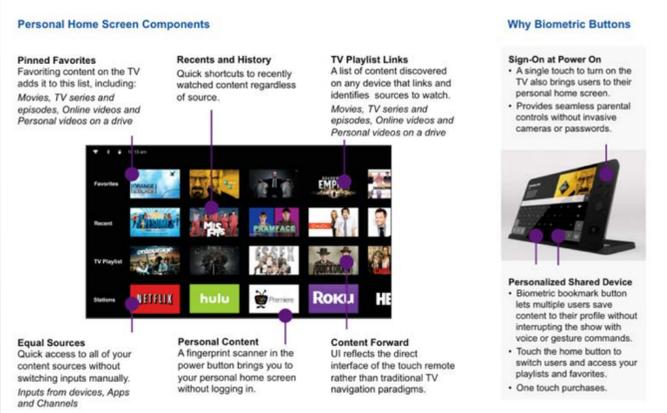
MOTOROLA **Web Experience**
Designing a branded ecommerce and digital experience



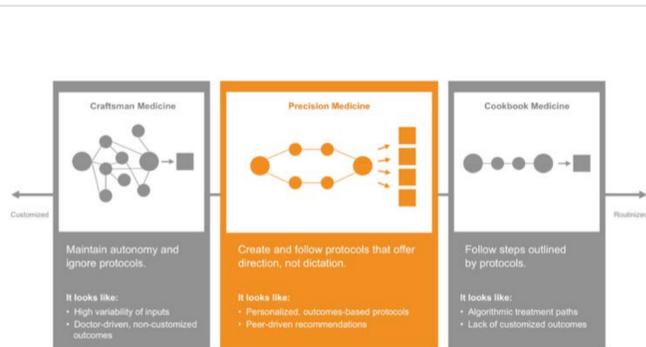
SAMSUNG **Tablet Apps**
Table apps targeting creation and



AAA **Millennial Services**
Creating digital services for a new market



SAMSUNG **Contextual TV**
Designing context sensitive and personalized TV experiences



e+CancerCare **Cancer Care**
Reinventing cancer care



hp **Connected Experiences**
Creating a platform for seamless connected

	DEVELOPMENT PROCESS	PORTFOLIO OF PRODUCTS	SPECIFIC TO DX
Design to INNOVATE	Developing New Markets Cultivating new growth prospects	Balanced Innovation Portfolio Coordinated roadmaps lead to short and long term success	Build HP IP Proprietary assets create a sustainable advantage
Design to DIFFERENTIATE	Anticipating Demand Addressing unmet needs with compelling solutions	A Cohesive System Coordinating product portfolios to work better together	The Wow Factor An emotional connection to HP offerings
	Efficient Design	Simplified Technology	A User Aware



SAMSUNG **Connected Camera's**
Creating connected camera concepts

Interana - Interactive Analytics

https://www.interana.com

GO

EXPLORER

TABLE: CrunchBase Fundings

VIEW: Funnel View

TIME

START: 2/24/2014 12:00pm

END: 3/24/2014 3:00pm

TIME COMPARE

FUNNELS

Create a Funnel

STEP 1

Type: Is One Of

Home Page

ADD FILTER

STEP 2

Type: Is One Of

Photo Uploaded

ADD FILTER

STEP 3

Type: Is One Of

Photo Story Created

ADD FILTER

STEP 4

Type: Is One Of

FB Share

ADD FILTER

ADD STEP

FUNNEL SETTINGS

FOR EACH: User

STEPS: Count

DROP OFFS: Count

ELAPSED TIME: Average

EVENTS HAPPEN WITHIN: 1

Hours

COMPARE

GROUPS: Count Rows

FILTERS

Type: Is One Of

RETENTION FUNNEL

Counting funnel steps from From Home Page to Photo Uploaded

Average Elapsed Time between funnel steps 22 minutes, 41seconds... Show more

60.2 Seconds

20% Count from previous step

20% Count from start

Click to Hide

Save as Cohort

Click to Explore

STEP 1 STEP 2 STEP 3 STEP 4

RETENTION FUNNEL

Average Drop Off rate and Elapsed Time between Step 1 and Step 2 between 2/24/2014 and 3/24/2014.

Sampled Query, Auto Resolution

56.3%

800G

Number of Users

600G

400G

200G

0G

2/24/2014 3/24/2014

STEP 1 STEP 2 STEP 3 STEP 4

From STEP 1 to STEP 2 From STEP 1 to STEP 3 From STEP 2 to STEP 3

RESULTS 3

From STEP 2 to STEP 4 From STEP 3 to STEP 4 Drop Off STEP 1 Drop Off STEP 2 Drop Off STEP 3

Drop Off STEP 4

RETENTION FUNNEL

Counting Step 1, Step 2, Step 3, Step 4 and Drop Off Step 1, Drop Off Step 2, Drop Off Step 3, Drop Off Step 4 between 2/24/...

56.3%

RETENTION FUNNEL

Counting Step 1, Step 2, Step 3, Step 4 and Average Elapsed between Step 1 and Step 2, Step 2 and Step 3, Step 3 and Step 4 betw...

56.3%

Interana - Interactive Analytics

https://www.interana.com

UNIQUE USERS BY ACTIVE DAYS

COUNT

10k

8k

6k

4k

2k

2/23/2014 3/23/2014

Edit Explore

30-DAY USER ACTIVES

64,648

↑ 8%

30-DAY ACCOUNT ACTIVES

50K

↑ 8% more than last month

CHURN RATE - 30 DAYS

1.29%

↓ 5%

RETENTION RATE - 7 DAY

86.34%

↑ 20%

Edit Explore Edit Explore Edit Explore Edit Explore

EVENT - DISTRIBUTION

100%

80%

60%

40%

20%

P10 P25 P50 P75 P90 P95 P99

Edit Explore

INVESTMENTS COUNT ROWS

100%

75%

50%

25%

Biotech Software Mobile Web Web

Edit Explore

SHARE OF USERS BY COUNTRY

United States (34%)

Germany (18%)

Netherlands (11%)

France (11%)

CONVERSION RATE (LAST 3 MONTHS)

**BYOD (Bring Your Own Device)
has raised the bar for enterprise.**



What's a Data Product?

"A product that facilitates an end goal through the use of data." D.J. Patil



PANDORA®



KAYAK®



Bloomberg



MapBox

Google



tinder™

LinkedIn®

splunk® >

looker

facebook®

nest™

amazon



Pinterest



Google Analytics

fitbit

foursquare

inter|ana



**"The strangely familiar."
Jonny Ive**





**HUMAN
CENTERED**

METAPHOR

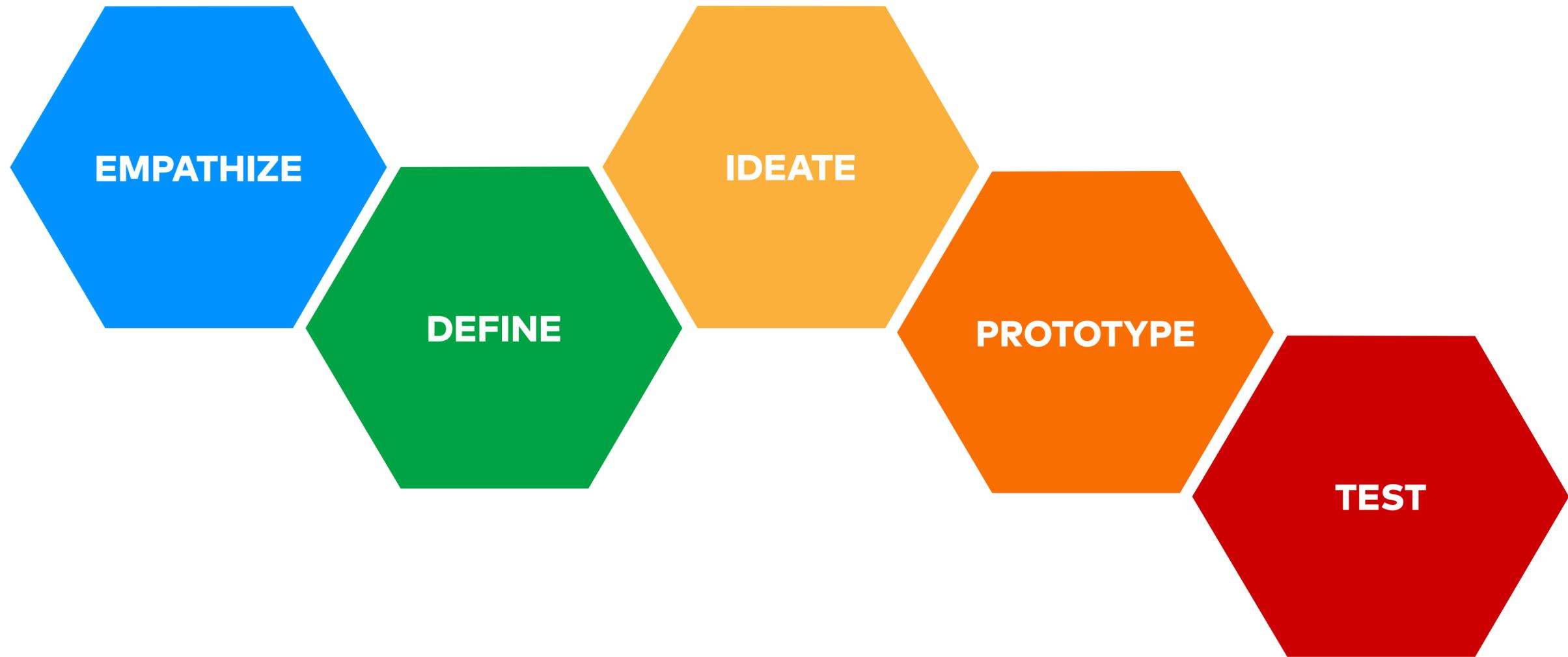
ANALOGY

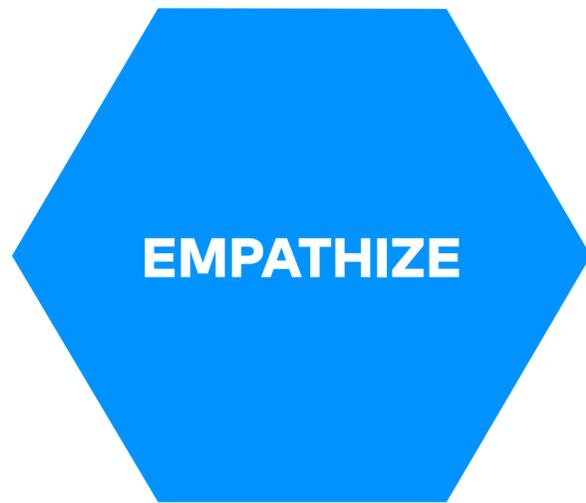
AUTOMATION

MANIPULATION

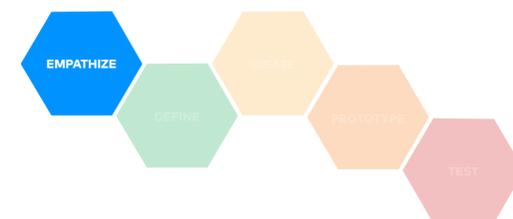
Human Centered

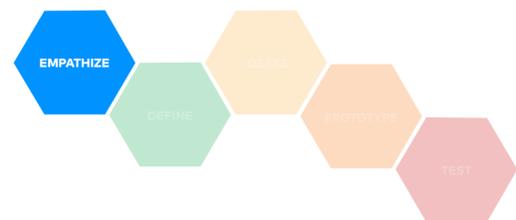
Creating products and services grounded in insights about human needs and behavior.





The ability to step outside of yourself and see the world as other people do.

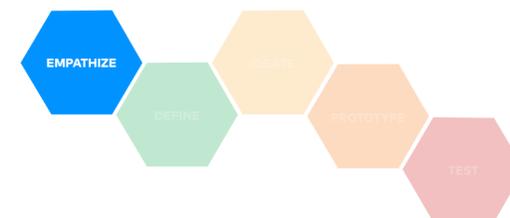


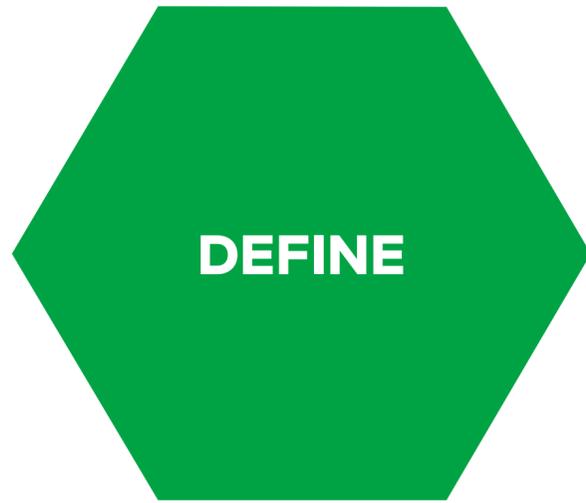




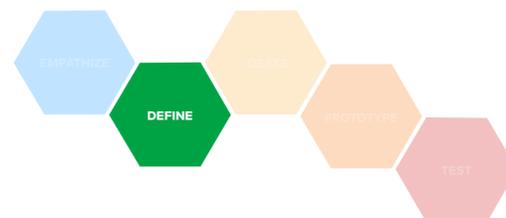
Types of observations

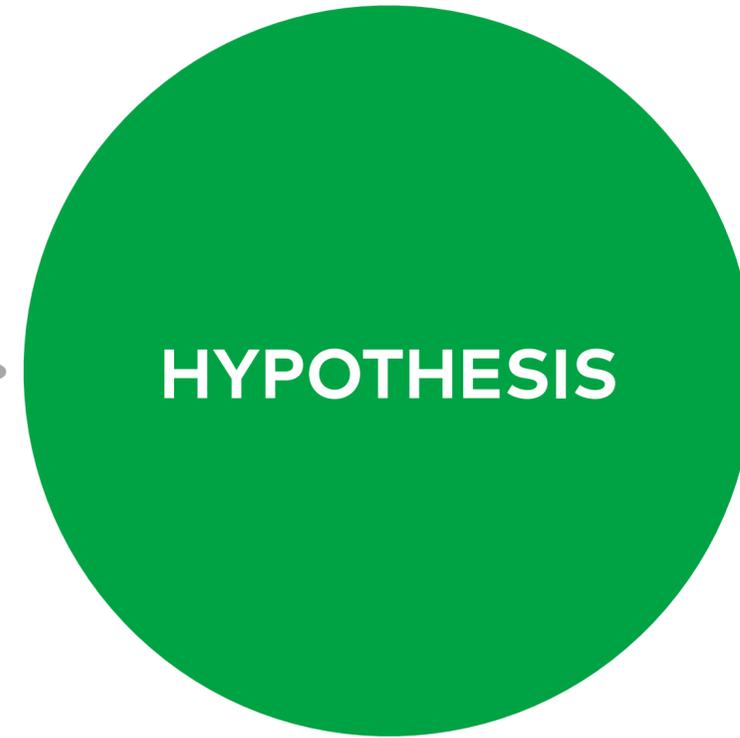
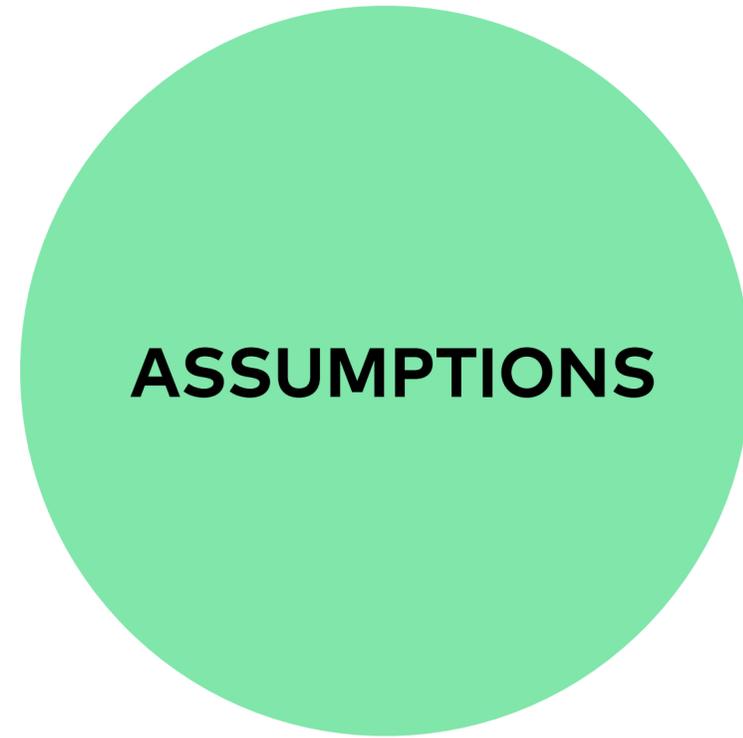
1. Observations - watching, asking, doing and reflecting
2. Moccasins
3. Shadows
4. Focus groups
5. Work/Home tours





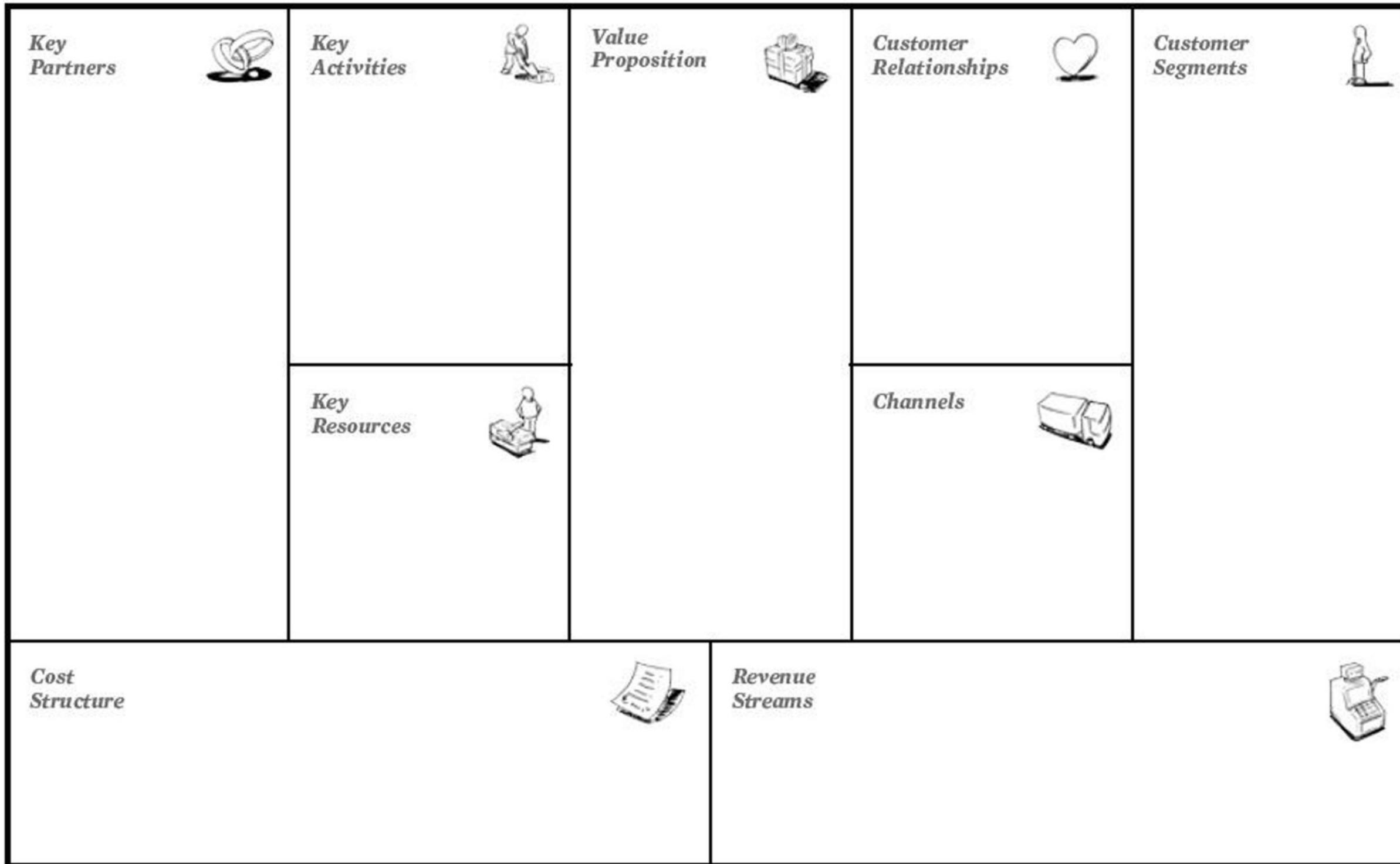
Formulate a hypothesis about a problem and how to solve it.





Informed by qualitative
and quantitative data

An 'If, Then' outcome
assertion





NARROWING

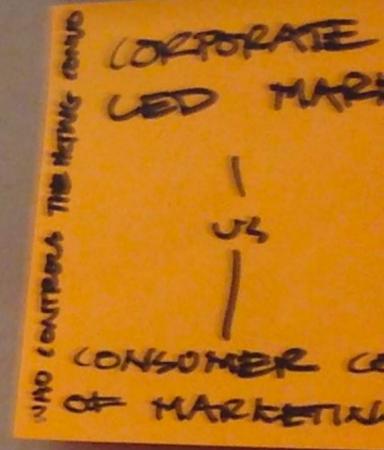
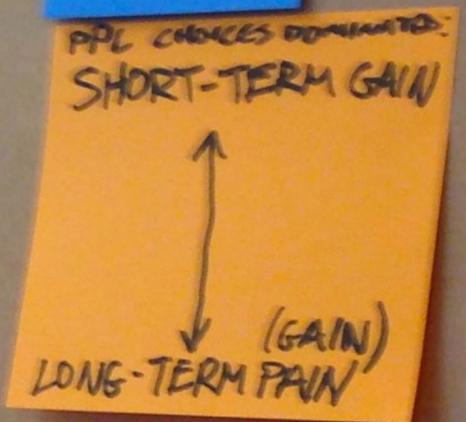
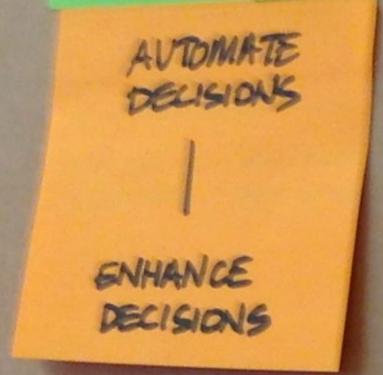
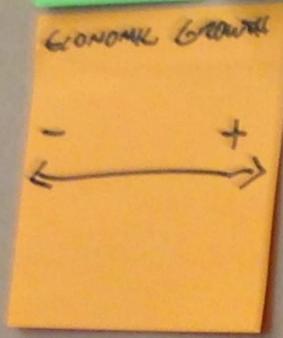
DECREASES

MACRO ECONOMY

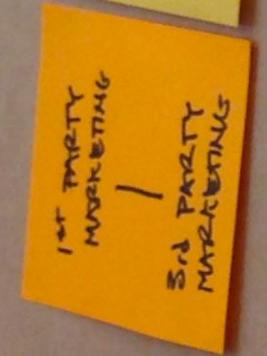
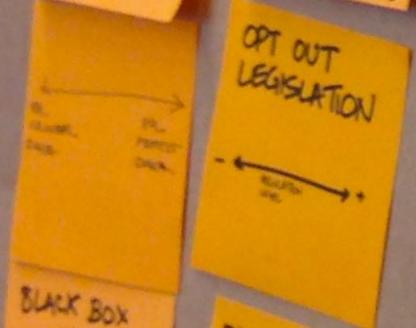
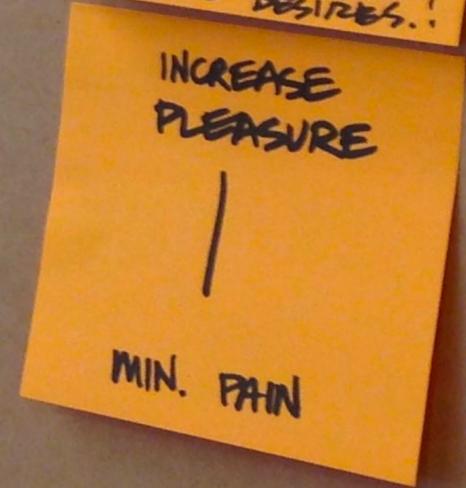
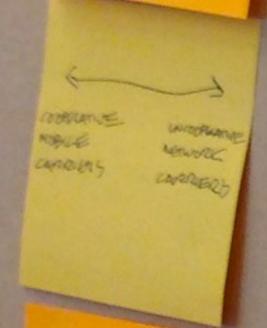
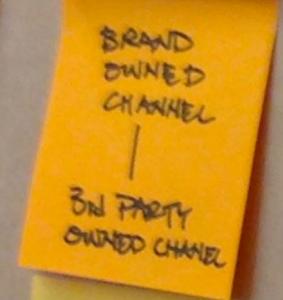
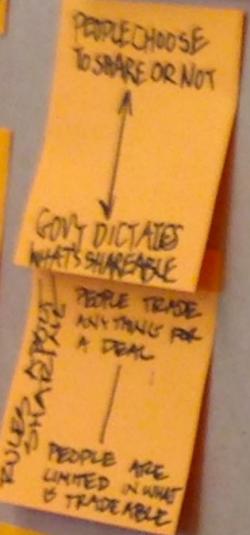
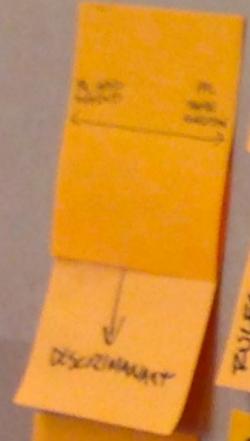
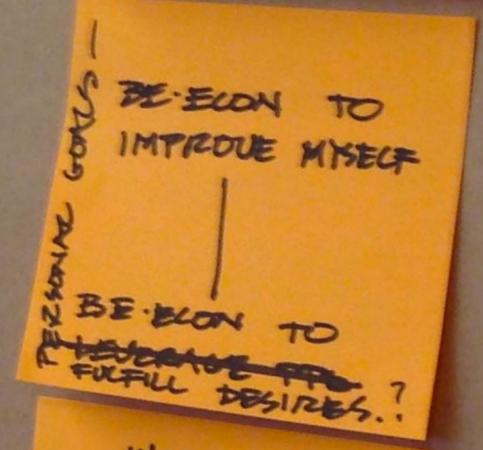
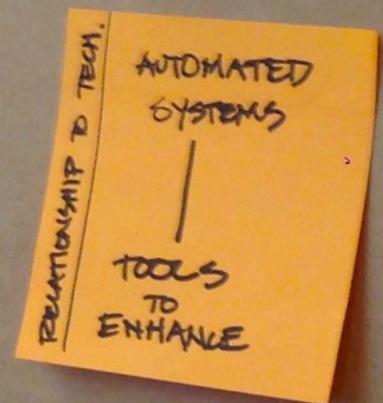
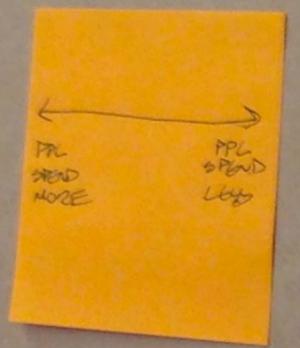
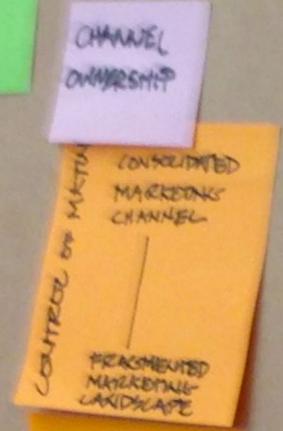
HOW PERSONALIZATION WORKS

PERSONALIZATION FRAMES

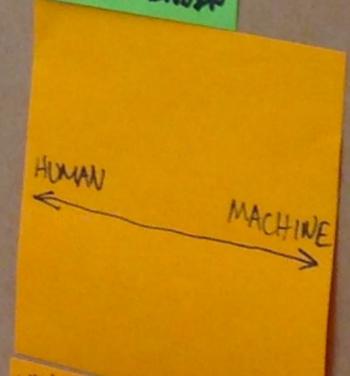
CONTROL OF MKTG



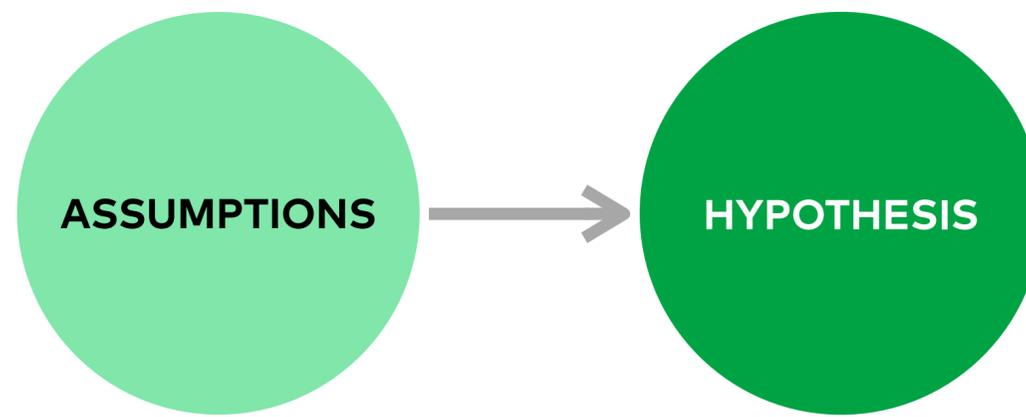
PRIMARY SHARE



WHO'S THE BEST RECOMMENDER



NERO



Customer Segments

Whose our target customer?

This **user or persona** is most critical.

Increase the **number of users** in the top of our funnel.

Customer Relationships

How do we engage them?

An improved **on boarding flow** will better engage new users

Increase the **number of activated users**.

Channel

Which channels are best/worst?

Viral features will make us less reliant on paid acquisition.

Reduce **paid acquisition costs** and increase **number of new users**.

Value Proposition

Do we have the right feature set?

Trimming our feature set will improve product clarity.

Improve our **NPS score**.

Key Activities

Is our distribution or service model right?

Developing a platform through API's will improve market reach.

Increase **number of developers** using our platform.

Key Resources

Do we have unique technology?

Developing key algorithms will improve platform dependence

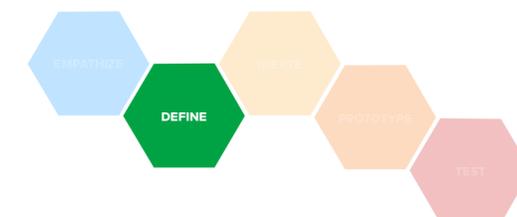
Increase the **number of our patents**.

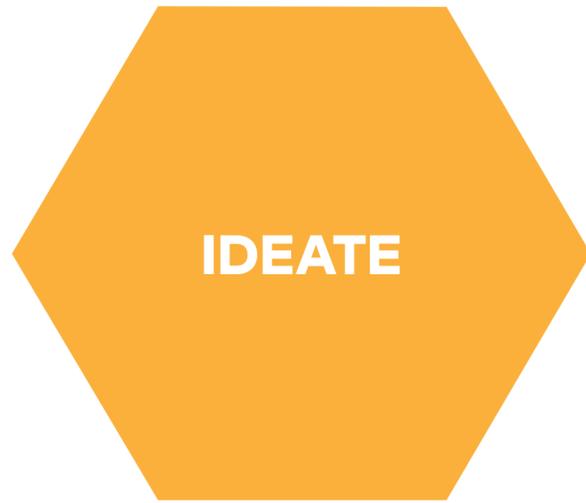
Key Partners

Will suppliers or third partners help us better serve our customer?

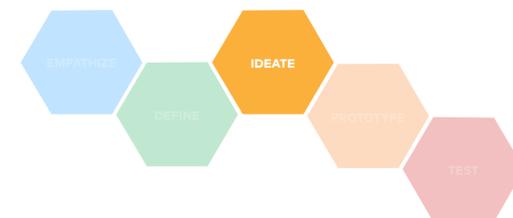
Appropriate affiliates will increase market reach.

Increase the **number of users** in the top of our funnel.

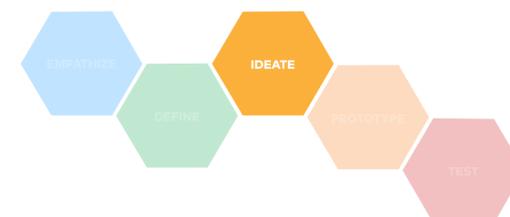
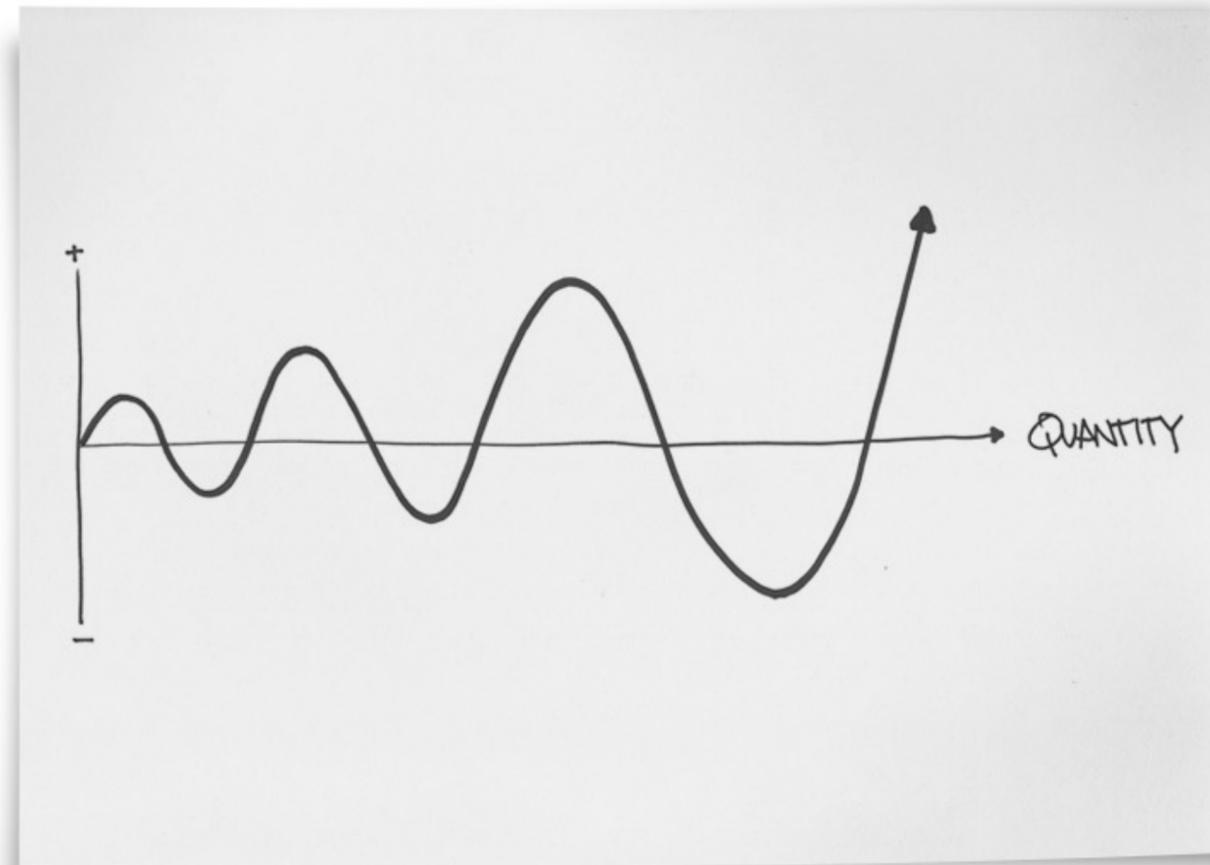




The ability to imagine and conceive a wide variety of possible solutions.

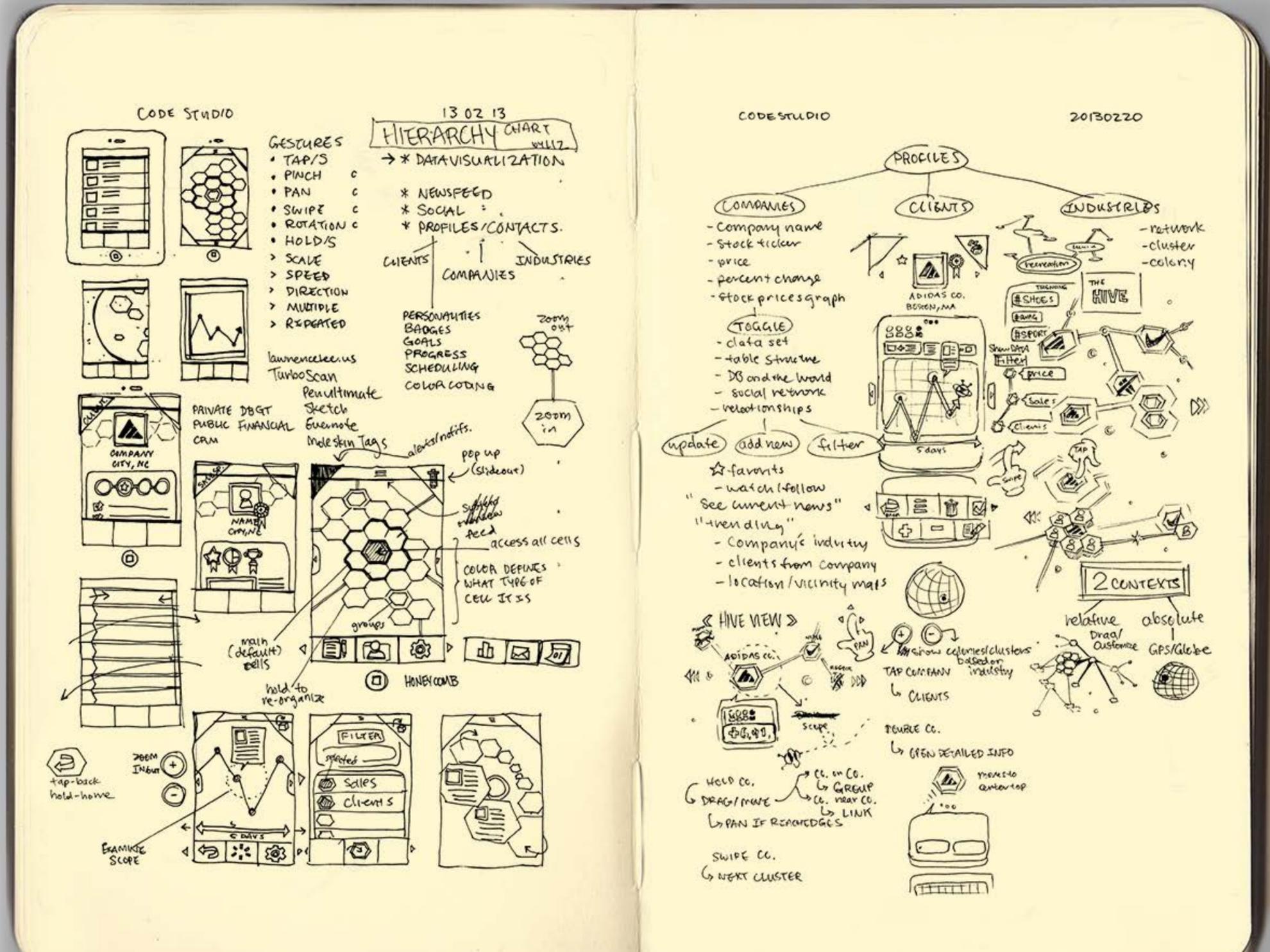


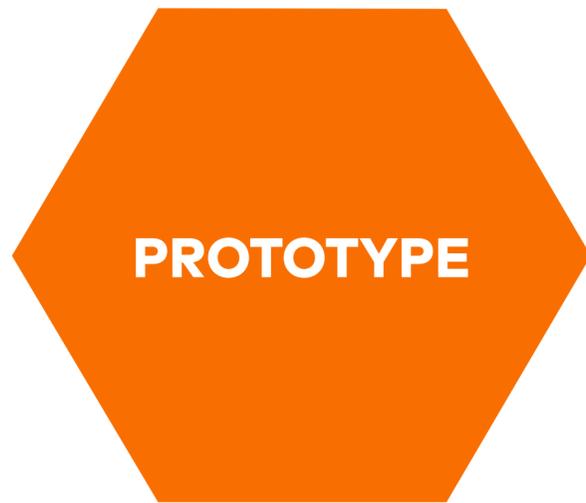
Quantity yields quality.



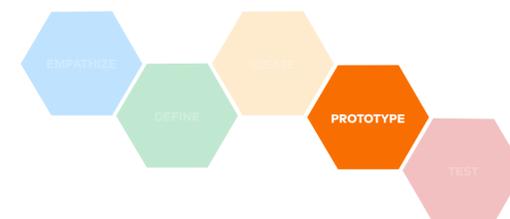
Top 10 Habits of Great Ideators

1. Start with a need
2. Defer judgement
3. Gather different voices
4. Feed your head
5. Ask stupid questions
6. Encourage wild ideas
7. Make bad ideas better
8. Go for quantity
9. Use the buddy system
- 10. Keep an idea log**



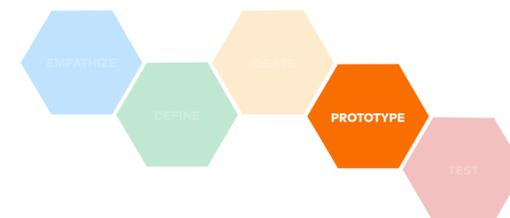


A physical hypothesis and rudimentary working model for how a new solution might come to be.



Types of Prototypes

1. Sketches
2. Hand Made Constructions
3. Machined Constructions
4. Interactive Models
5. Graphics
6. Spaces
7. Role Play, Experiences
8. Video
9. Wireframes
- 10. Storyboards**



Storyboard



Steve flies out to Milwaukee where he went to college for an annual weekend get-together with his closest buddies.

At an afternoon barbecue, the guys catch up.



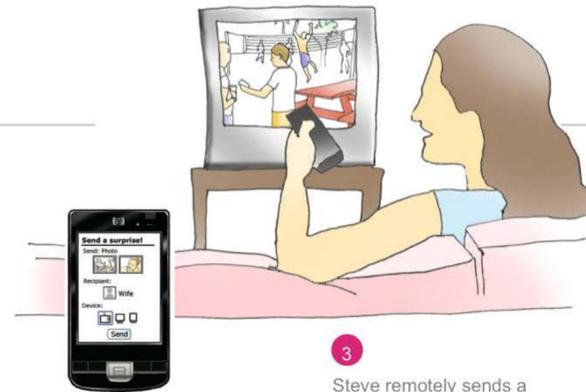
1

Stan and Steve want to swap some family photos and pictures taken that day. The interface on Steve's PDA shows where the other devices are in relation to his.

2

He can drag files to and from his friends' camera and phone.

Later, his wife sits down in front of the TV at home. When she turns on the TV, she gets a surprise—Steve sent a slideshow of the day's pictures to the TV to show he's thinking of her.



3

Steve remotely sends a slideshow of the pictures he got from his friends to the back home for his wife to see when she returns home that evening.

After the BBQ, they go out to their old favorite bar.



4

At the bar, Steve wants to play some old favorite songs from their college years. The jukebox doesn't have those songs so he pulls them from his own collection.

5

He uses his PDA to pull the songs from his home server and stream them to the jukebox. The bar charges a small fee to let him play his songs through their jukebox.



On his flight home the next day, he just wants to veg out, and looks through his files for something good to watch.



6

His PDA recognizes another available display—his seatback screen. He uses his PDA to send the video file onto screen.



He sits back, relaxes and enjoys the rest of his flight.

Design Principles

1

Simulate on-the-fly networking through proximate device recognition to remove dependence on internet connectivity.

2

Make file sharing intuitive by applying real world gestures to digital sharing.

3

Share data remotely in real time by placing content directly onto others' devices.

4

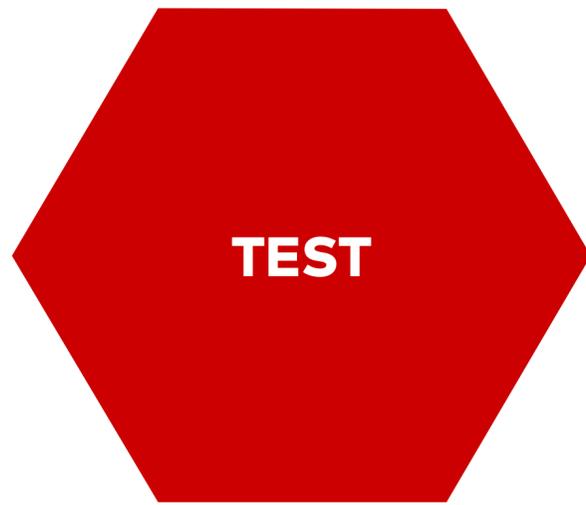
Build digital stages for group broadcasting that are controllable from any device.

5

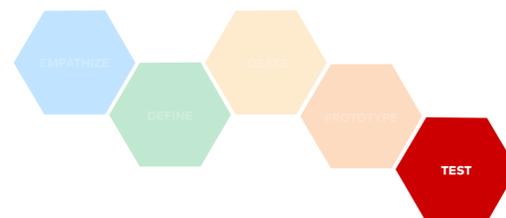
Turn devices into conduits for transferring content and computing power between two or more other devices that cannot connect to each other directly.

6

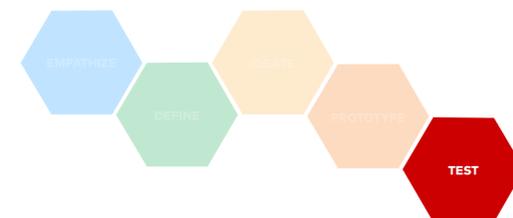
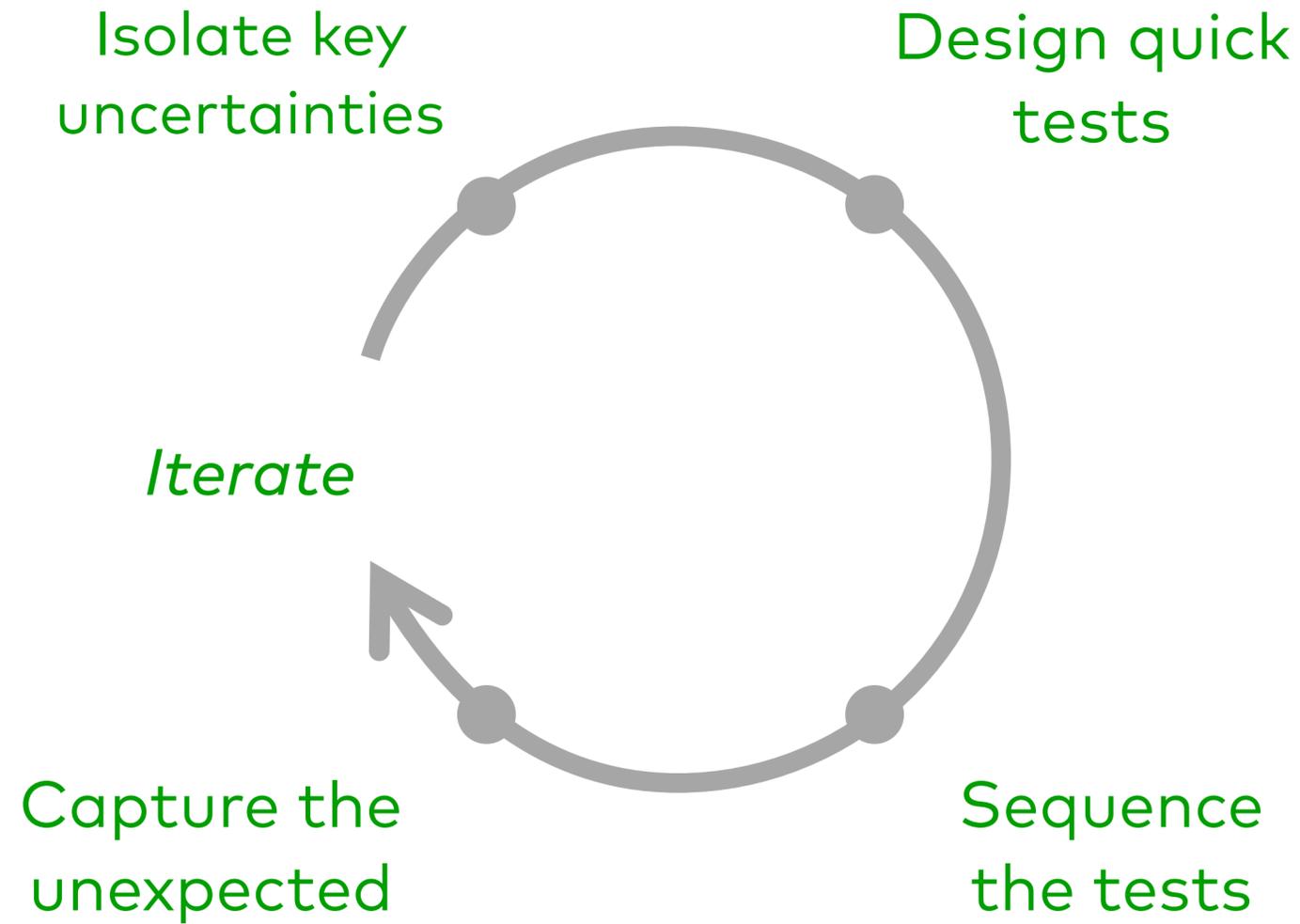
Recognize and open devices for people to use as local displays for their own content.
Metaphorically extend the computer into the surrounding environment by visually and spatially mapping neighboring devices to the screen.



Conducting a series of experiments to validate assumptions and quality of proposed new solutions.

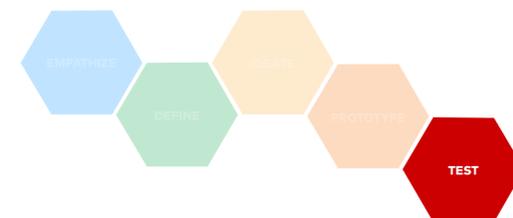


Minimum Viable Pilots



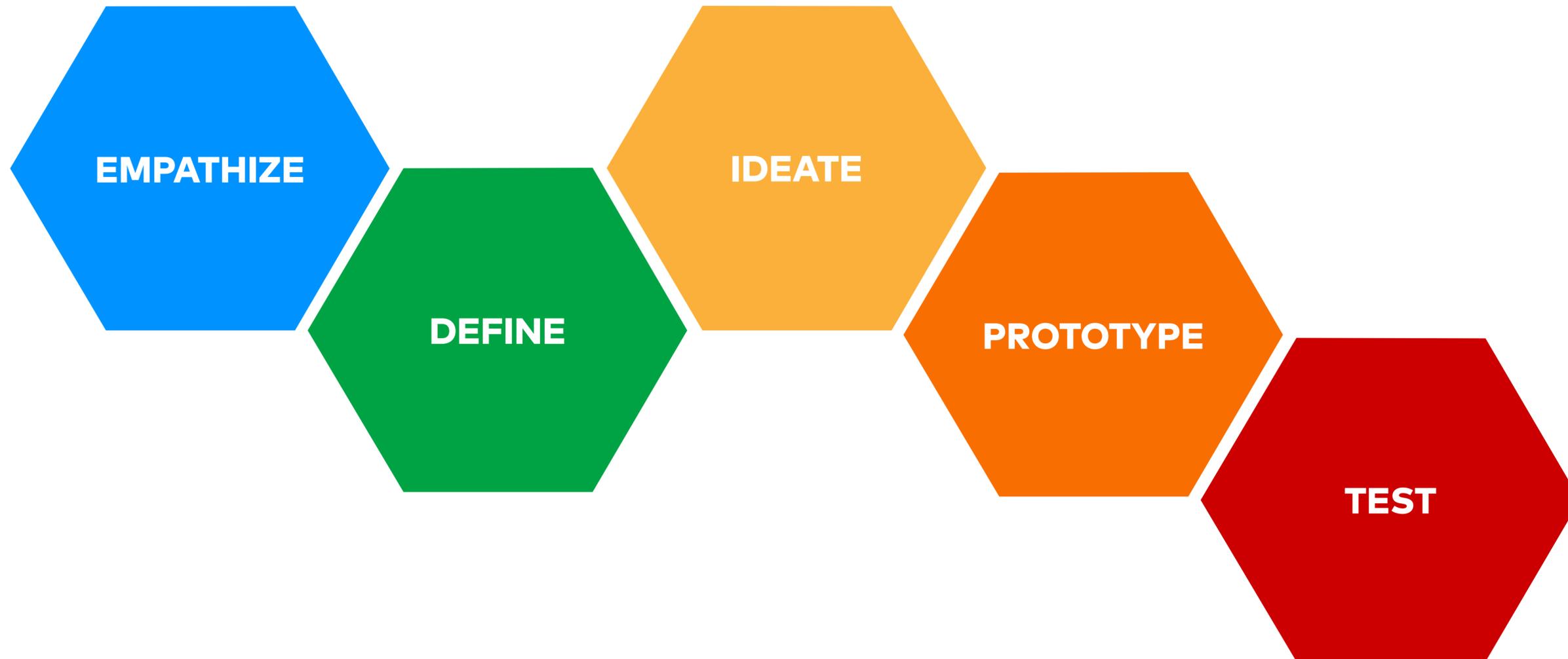
5 ways to pilot

1. A/B Test
2. Hear, See, and Experience
3. False Doors
4. Looks like, Work like
- 5. The Provincial**



The Provincial





Metaphor

A figure of speech in which a comparison is made between dissimilar things from different categories.





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Bond 50 Blu-ray Collection (\$199.99)

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Rukus Solar Speakers

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Aly Juma onto Gear & Gadgets

\$49.96

Batman Arkham City (\$49.96)

Aly Juma onto Media

five flavored butters

2 likes · 16 repins

Andrew von Rosenbach via **Megan Gillory** onto meats beats and seats

parmesan crusted tilapia

11 likes · 31 repins

Andrew von Rosenbach via **Megan Gillory** onto meats beats and seats

hummus wrap

3 likes · 1 comment · 19 repins

Andrew von Rosenbach via **Megan Gillory** onto meats beats and seats

LIQUID SHOT CO

sweet lock-up

6 repins

Brandon Lesley via **Jennifer Pace** onto Graphic Design and Typography

TIGHTS ARE NOT PANTS!

ladies

24 likes · 20 repins

Andrew von Rosenbach via **Nathan Burgess** onto love to feel

friends book assoc.

1 like · 1 repin

Brandon Lesley via **Funnel : Eric Kass** onto Graphic Design and Typography

Parrot Zik Bluetooth Headphones

Aly Juma onto Gear & Gadgets

Jessica White I want to make the Hummus! I love me some hummus!

good cause

Click to **LOOK INSIDE!**

#1 BESTSELLER
ONE MILLION COPIES SOLD

GOOD TO GREAT

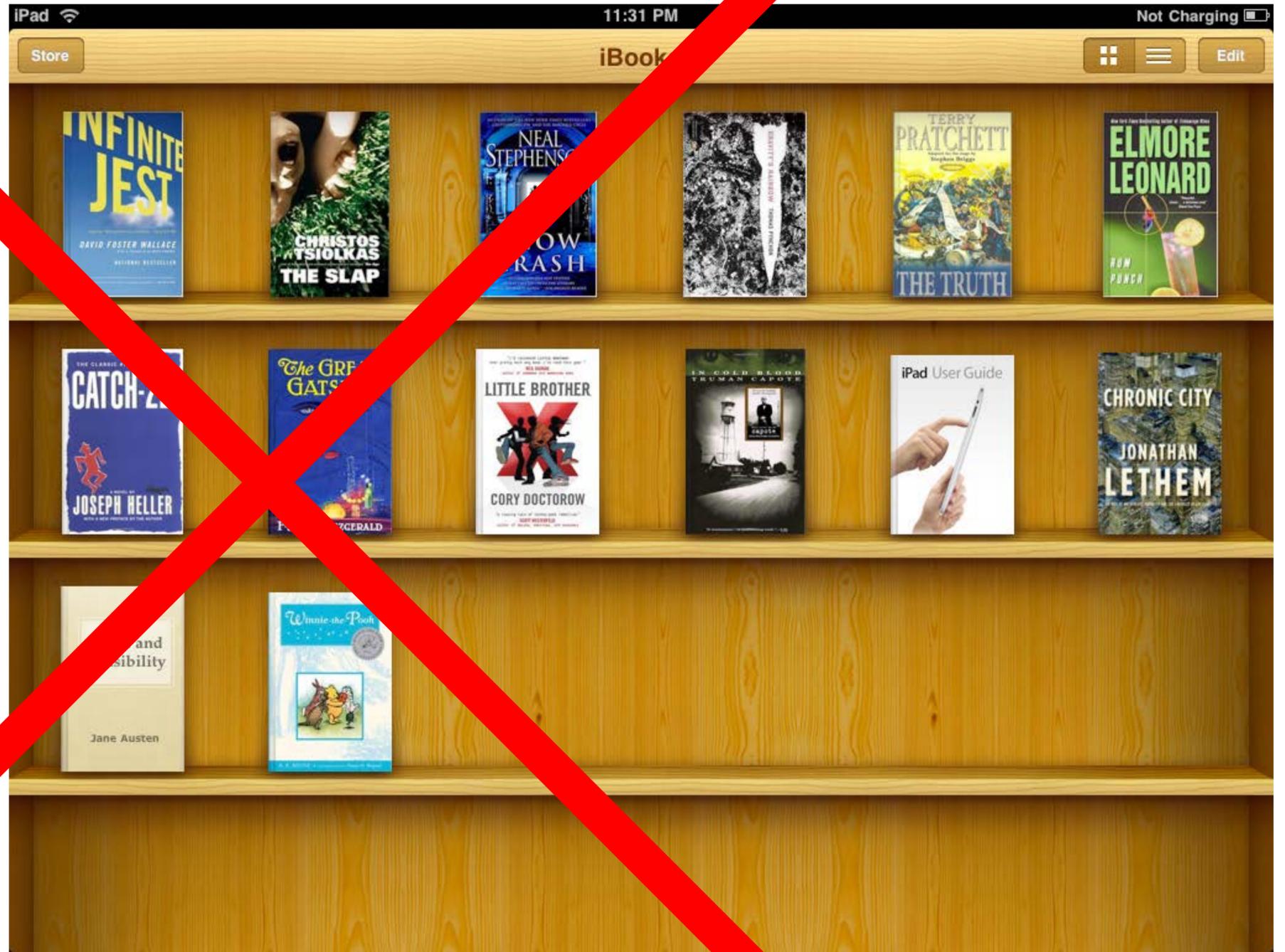
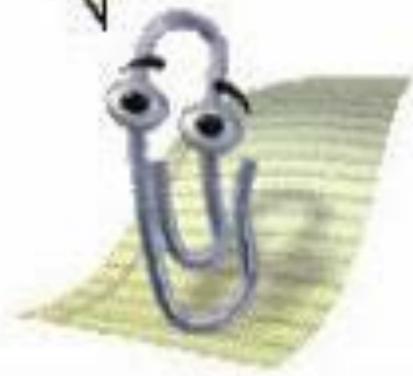




It looks like you're writing a letter.

Would you like help?

- Get help with writing the letter
 - Just type the letter without help
- Don't show me this tip again



Analogy

Comparing two things of partial similarity often from the same category.





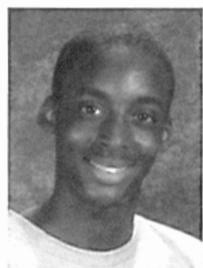
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 404 North Dormitory



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AC# 1550
 201 South Dormitory



Gudrun E. Juffer
 4470 North Morris Boulevard
 Shorewood, WI 53211
 Shorewood High School
AC# 1552
 404 South Dormitory



Lucille H. Jun
 1405 SW 321st Street
 Federal Way, WA 98023
 Decatur High School
AC# 1553
 207 Valentine Dormitory



Heegyun Jung
 246-302 Olympic Apartments
 Oryundong, Songpogu
 Seoul, 138-787, Republic of Korea
 Daewon Foreign Language High School
AC# 1554
 409 Pratt Dormitory



Hyowoun Jyung
 207 Capitol Avenue
 Williston Park, NY 11596
 Herricks High School
AC# 1555
 107 Appleton Dormitory



Andrea M. Kahn
 118 Gillette Road
 Gillette, NJ 07933
 Watchung Hills Regional High School
AC# 1557
 204 Appleton Dormitory

The screenshot shows Mark Zuckerberg's Facebook profile. At the top, the navigation bar includes 'home search browse invite help logout' and the name 'Harvard'. The profile header shows 'Mark Zuckerberg's Profile (This is you)' and a profile picture of a young Mark Zuckerberg. On the left sidebar, there are links for 'My Profile', 'My Friends', 'My Photos', 'My Notes', 'My Groups', 'My Events', 'My Messages (13)', 'My Account', and 'My Privacy'. The main content area is divided into sections: 'View More Photos of Me (182)', 'Read Notes by Me', 'Edit My Profile', 'Create a Profile Badge', 'Status' (2 updates this week), 'Harvard Friends' (147 friends at Harvard), and 'Friends in Other Networks'. The 'Mini-Feed' section shows recent activity, including comments and status updates. At the bottom, there is a section for 'Information' with contact details.



Emerson College

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Emerson College

www.emerson.edu

120 Boylston Street
Boston, MA 02116
(617) 824-8500

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Emerson College is the nation's only four-year college devoted exclusively to the study of communication and performing arts.

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Emerson College is a private coeducational university in Boston, Massachusetts that focuses on the communication arts. Founded in 1880 by Charles Wesley ...

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Emerson College Review

Most students are thrilled with Emerson. From the professors to the production equipment to the classes, many students feel they're being well-prepared for ...

collegeprowler.com/emerson-college/ - Similar

splunk> Search Logged in as admin | App | Manager | Jobs | Logout

Summary Search Status Views Searches & Reports Help About

Search | Actions

404 AND NOT favicon.ico Last 24 hours >

8,639 matching events Save search Build report

Timeline: zoom in zoom out Scale: linear log 1 bar = 1 hour

78 fields | Pick fields

Selected fields (4): host (1), method (1), source (4), sourcetype (5)

Other interesting fields (6): index (1), linecount (n) (1), punct (x100), splunk_server (1), timeendpos (n) (14), timestartpos (n) (14)

All 78 Fields

8,639 events in the last 24 hours (from 4:00:00 PM June 12 to 4:35:16 PM June 13, 2010)

Results per page 10

1	6/13/10 4:34:57.000 PM	99.91.15.28 - - [13/Jun/2010:16:34:57 -0500] "GET /global/js/jquery.simplemodal-1.2.2.min.js HTTP/1.1" 404 13477 "http://www.pittstate.edu/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; GTB6.4; .NET CLR 1.1.4322; InfoPath.1; .NET CLR 2.0.50727; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; Zune 4.0)" host=www.pittstate.edu sourcetype=access_combined source=Asr/local/dotcms/logs/dotcms_access.2010-06-13.log method=GET
2	6/13/10 4:34:56.000 PM	216.129.119.46 - - [13/Jun/2010:16:34:56 -0500] "GET /robots.txt HTTP/1.1" 404 - "null" "Mozilla/5.0 (Twiceler-0.9 http://www.cuil.com/twiceler/robot.html)" host=www.pittstate.edu sourcetype=access_combined source=Asr/local/dotcms/logs/dotcms_access.2010-06-13.log method=GET
3	6/13/10 4:34:55.000 PM	10.21.10.232 - - [13/Jun/2010:16:34:55 -0500] "GET /global/js/jquery.simplemodal-1.2.2.min.js HTTP/1.1" 404 13477 "http://www.pittstate.edu/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; InfoPath.2; InfoPath.1; .NET CLR 2.0.50727; .NET CLR 1.1.4322; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729)" host=www.pittstate.edu sourcetype=access_combined source=Asr/local/dotcms/logs/dotcms_access.2010-06-13.log method=GET
4	6/13/10 4:34:50.000 PM	24.119.142.69 - - [13/Jun/2010:16:34:50 -0500] "GET /global/js/jquery.simplemodal-1.2.2.min.js HTTP/1.1" 404 10230 "http://www.pittstate.edu/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 6.0; Trident/4.0; Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1); SLCC1; .NET CLR 2.0.50727; .NET CLR 3.0.30618; .NET CLR 3.5.30729)" host=www.pittstate.edu sourcetype=access_combined source=Asr/local/dotcms/logs/dotcms_access.2010-06-13.log method=GET

GIZMO

COHORTS

My Cohorts Templates Browse

Cohorts of Monthly Signups



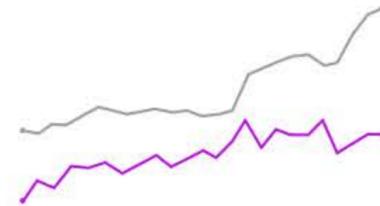
Cohort users from Mobile Dataset by monthly signups.

Between 10/29/2014 - Now
All Others 23.5K
Total Count 15.36K



Josh Stein

Users that Sent 1+ Invites



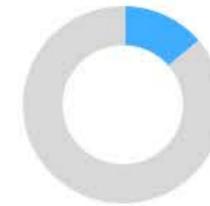
Count users from events dataset that sent more than 1 invite between 9/15/2014 and 12/31/2014.

Between 9/15/2014 - Now
All Others 23.5K
Cohort 2.98K



Josh Stein

Previous Week West Coast Users



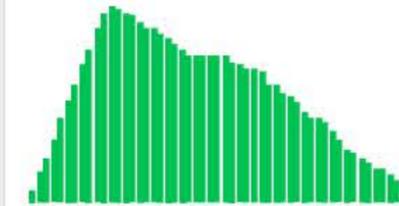
Count users from events dataset from West Coast from 12/23/2013 to Now.

Previous Week
All Others 23.5K
Cohort 1.12K



Josh Stein

7 Day Active Users



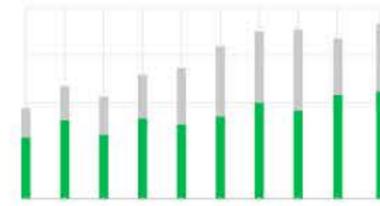
Count user_id that are active at least 1 day out of 7 days over a 1 week time window to now.

1 Week
All Others 23.5K
Cohort 2.98K



Josh Stein

New Active Users by Week



Count events is at least 1 user_id.registration with 1 week from 10 weeks to now.

10 Weeks
All Others 23.5K
Cohort 2.98K



Josh Stein

Paid Vs. Free Users



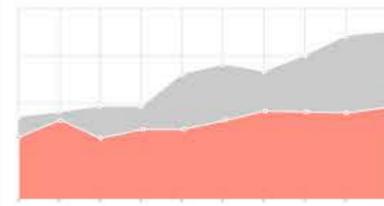
Counting paid users against free users 3 months to now.

3 Months
All Others 23.5K
Cohort 2.98K



Josh Stein

Daily Actives



Count events is at least 1 per user between 10/29/2014 02:57 PM - 11/5/2014 01:57 PM

10 Weeks
All Others 23.5K
Cohort 2.98K



Josh Stein

1 Day out of 7 Day Active Users



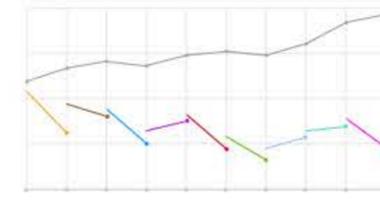
Count unique user_id's active at least 1 day out of 7 days.

1 Month
All Others 23.5K
Signed On Cohort 2.98K



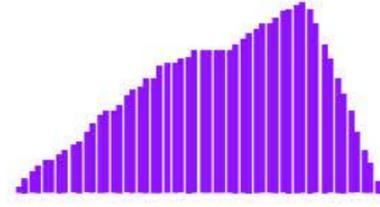
Josh Stein

Retained Users



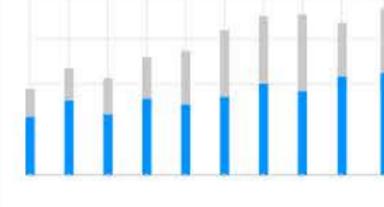
Count user_id that are active at least 1 day out of 7 days over a 1 week time window to now.

Adopted Users



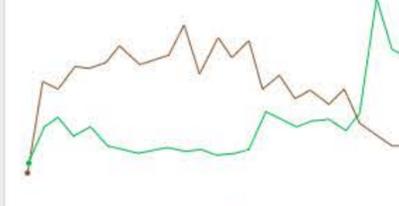
Counting adopted users over a 7

Rolling 30 Day Active



Count user_id's that are active at

3 Out of 7 Day Active Users



Count unique user_id's active at least 3 days out of 7 days.

Automation

Presenting data relevant to a user's context or goal without requiring their input.





Click to open expanded view

Chemex 6-Cup Classic Series Glass Coffee Maker

by Chemex

★★★★☆ 1,051 customer reviews | 26 answered questions

Price: \$64.99 + \$4.30 shipping

Note: Not eligible for Amazon Prime. Available with free Prime shipping from other sellers on Amazon.

Only 4 left in stock.

Ships from and sold by DAWK Shops.

Estimated Delivery Date: Feb. 20 - 25 when you choose Expedited at checkout.

Size: 6-Cup

- 3-Cup
- 6-Cup
- 8-Cup
- 10-Cup

Style Name: Classic

- Classic
- With Handle

- Includes a polished wood collar with leather tie
- Selected by the Illinois Institute of Technology as one of the 100 best designed products of modern times
- All of the coffeemakers are measured using 5 oz. as 1 cup
- Chemex filters are required for operation all Chemex coffee makers
- Capacity: 30 Oz

21 new from \$63.00 1 used from \$45.25

Share

Buy new: \$64.99

Qty: 1

\$64.99 + \$4.30 shipping

In Stock. Sold by DAWK Shops

Add to Cart

Turn on 1-Click ordering

Buy used: \$45.25

Add to Wish List

Add to Wedding Registry

Other Sellers on Amazon

22 used & new from \$45.25

Have one to sell?

Sell on Amazon

Customers Who Bought This Item Also Bought

Page 6 of 19 Start over



Bonavita BV3825ST 1-Liter Stovetop Kettle
★★★★☆ 127
\$34.99 Prime



Hario Coffee Mill Slim Grinder, Mini
★★★★☆ 1,091
\$25.20 Prime



Bonavita 1-Liter Variable Temperature Digital Electric Gooseneck Kettle
★★★★☆ 534
\$94.99 Prime



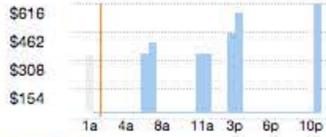
Chemex Hand Blown Glass Water Kettle, 2 Quart
★★★★☆ 25
\$73.45



Hario VKB-100HSV V60 Bouno Coffee Drip Kettle, Small
★★★★☆ 478
\$37.99 Prime

Stops

Take-off San Francisco (SFO)



Fri 1:57a - 10:30p



Take-off New York (NYC)

Wed 8:36a - 7:30p



Show landing times ▾

Airports

Depart/Return same

San Francisco

SFO: San Francisco \$353

New York

EWR: Newark \$353

JFK: John F Kenn... \$566

LGA: LaGuardia

Airlines

Carrier | Alliance

Alaska Airlines \$566

American Airlines \$340

Delta \$334

Virgin America \$397

Southwest get info

SFO ↔ NYC

Feb 27 Friday → Mar 4 Wednesday

Economy cabin 1 traveler

Change

Sort by: price (low to high) ▾

9 of 13 flights show all

Round-trip | Segment NEW

\$334
Delta

Delta

12:30a SFO → **11:04a** EWR 7h 34m 1 stop (MSP)
7:10p JFK → **10:54p** SFO 6h 44m nonstop

Select

Economy

Compass DBA Delta Connection operates flight 5681.

\$341
American Airlines

American Airlines

6:00a SFO → **5:47p** EWR 8h 47m 1 stop (DFW)
12:00p JFK → **7:21p** SFO 10h 21m 1 stop (CLT)

Select

Economy

US Airways operates flight 2089, 2029.

\$343
American Airlines

American Airlines

11:59a SFO → **11:04p** EWR 8h 05m 1 stop (PHX)
11:51a LGA → **7:33p** SFO 10h 42m 1 stop (DFW)

Select

Economy

US Airways operates flight 488, 583.

\$397
Expedia

Virgin America

6:45a SFO → **9:00p** EWR 11h 15m 1 stop (LAX)
4:30p JFK → **8:15p** SFO 6h 45m nonstop

Select

Only 2 seats left at this price

Economy

\$401
Expedia

Virgin America

6:45a SFO → **9:00p** EWR 11h 15m 1 stop (LAX)
9:45a JFK → **3:10p** SFO 8h 25m 1 stop (LAS)

Select

Economy

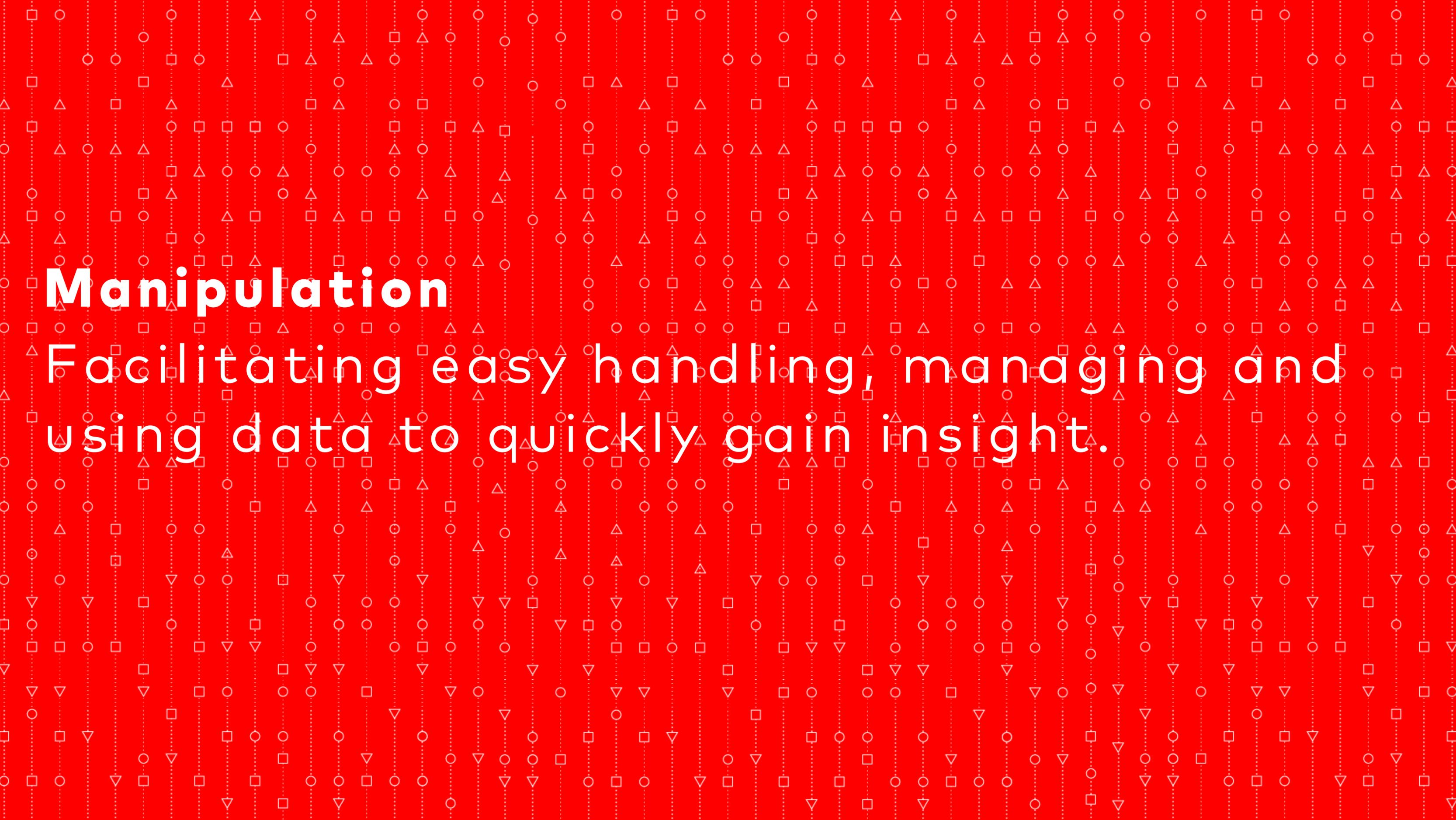
\$406
Expedia

Virgin America

6:45a SFO → **9:00p** EWR 11h 15m 1 stop (LAX)
9:20a JFK → **4:45p** SFO 10h 25m 1 stop (LAX)

Select

Economy



Manipulation

Facilitating easy handling, managing and using data to quickly gain insight.

+ Create Station

0:43      -2:09

Stay With Me
by Sam Smith
on Stay With Me (Single) 

Change Skin

 Now Playing  Music Feed  My Profile

- Shuffle**
- My Shuffle
- Sublime Radio
 - Buena Vista Social Cl...
 - Shigeto Radio
 - Club/Dance Radio
 - Jay-Z Radio
 - Hotel Costes Radio
 - Lorde Radio
 - Good Feeling Radio
 - A Tribe Called Quest ...
 - Flo Rida Radio
 - Titanium Radio**
 - The Heist Radio
 - Love Always Remain...
 - Safe And Sound Radio
 - OneRepublic Radio
 - Get Lucky Radio
 - So Weit Wie Noch Ni...
 - Wintersleep Radio
 - Big Jet Plane Radio
 - Take You Higher (Ra...
- Date A - Z



Stay With Me
by Sam Smith
on Stay With Me (Single)

 Publish  Share...  Buy

Similar Artists

- Ed Sheeran
- Disclosure
- Hozier
- Meghan Trainor

PANDORA FOR BUSINESS
learn more >

Pandora for your   

Attached: Default-Cluster Run All Arguments

```

> songs = sc.textFile("s3n://MY_S3_BUCKET/songs_data/songs-*")

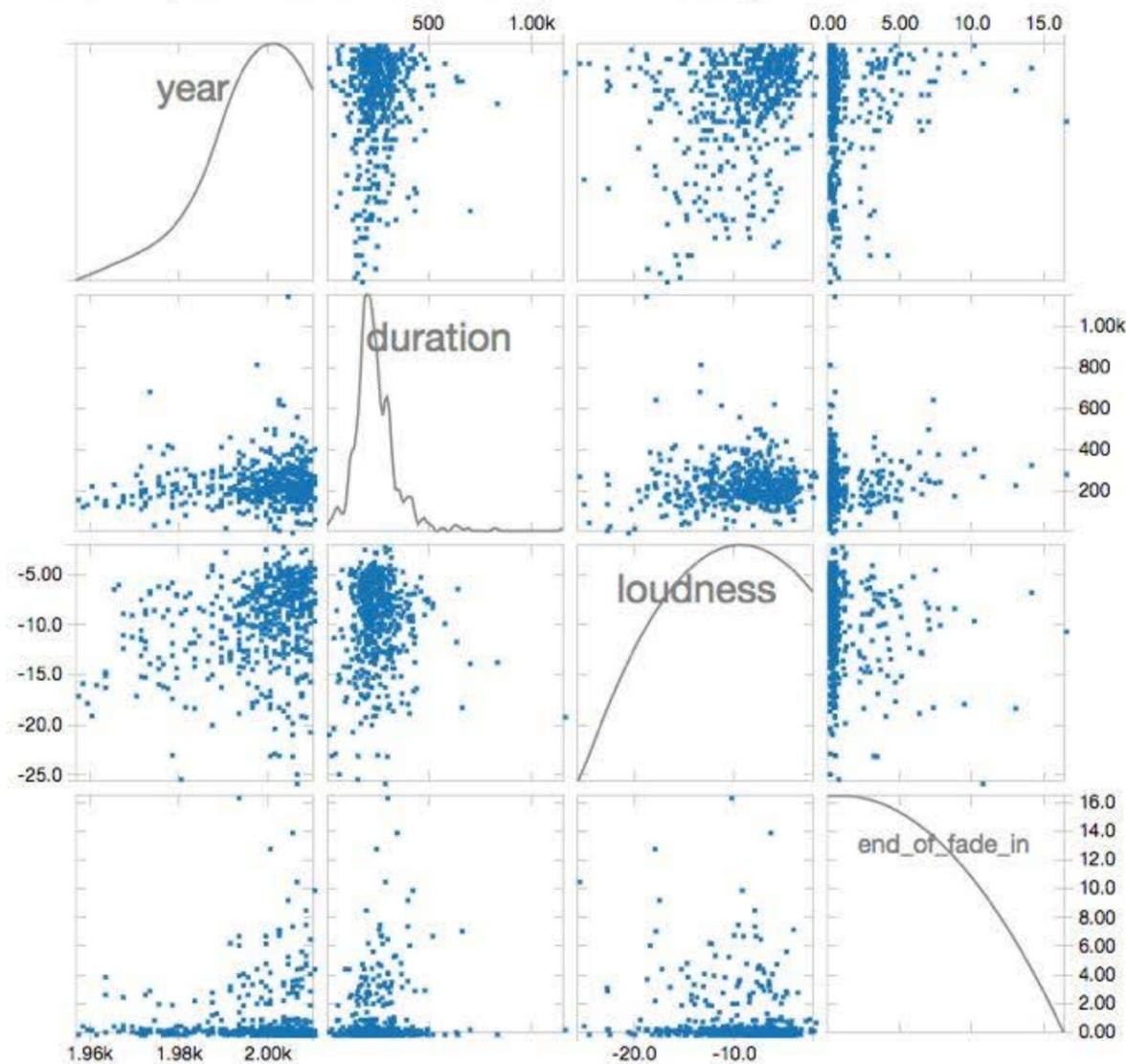
Command took 0.07s

> from pyspark.sql import Row
def fullyParse(line):
    fields = line.split("\t")
    return Row(name=fields[0], duration=fields[1], year=fields[2], artist_id=fields[3],
               loudness=int(fields[4]), key=fields[4], end_of_fade_in=fields[5])
songsSchemaRdd = sqlContext.inferSchema(songs.map(lambda line: fullyParse(line)))

Command took 0.47s

> %sql select year, duration, end_of_fade_in, key, loudness, artist_id from songs
TABLESAMPLE(BUCKET 1 OUT OF 1000) where year > 1930 and year < 2012

```



Type comment here!

vida @ 10/14 4:00 PM
@Pat - Can you take a look at this?

📊 🖋️ ⌵ Plot Options...

Command took 63.46s



EXPLORE

Table: Investment

View: Stacked Area TI...

TIME

Start: 8/18/2004 05:31:09 AM

End: 9/18/2014 10:33:22 PM

MEASURE

Count Events

COMPARE

Groups: |

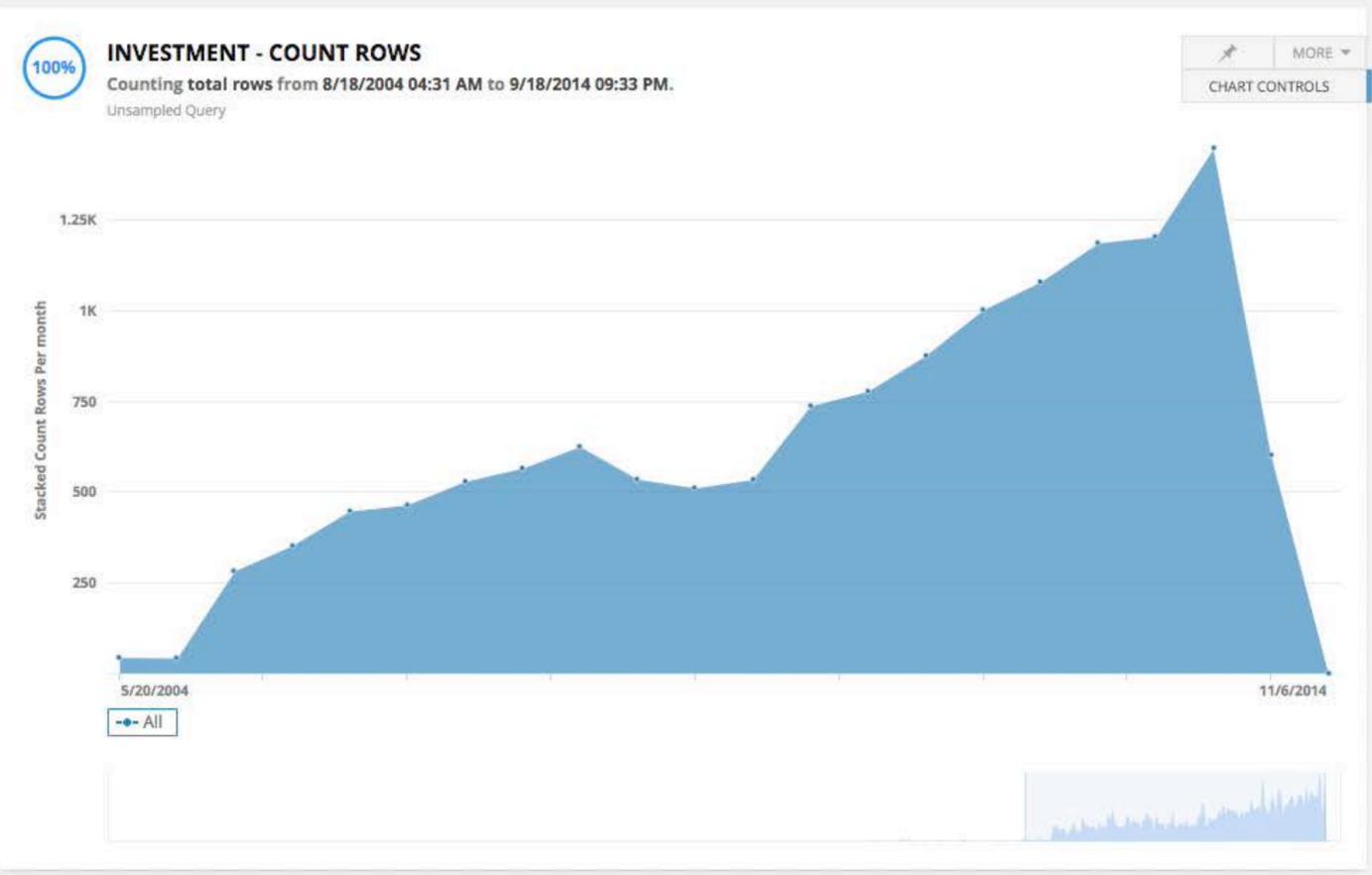
FILTERS

acquire_p

is equal to

- acquirer
- company_category_code
- company_city
- company_country_code
- company_name**
- company_permalink

Add Filter





**HUMAN
CENTERED**

METAPHOR

ANALOGY

AUTOMATION

MANIPULATION



"The strangely familiar."

THANK YOU

Alonzo Canada

Head of Product Design, Interana

alonzo@interana.com



[@acanada](https://twitter.com/acanada)