







Big Data Evolution: March of Progress

Data waster Collects data but severely underuse them

Data collector

Collects data but do not consistently maximize their value



Aspiring data manager

Understands value of data and marshals resources to take better advantage



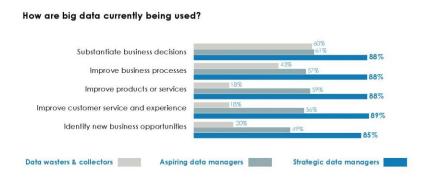
Strategic data manager

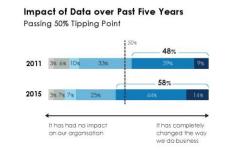
Has well-defined data-management strategies that focus on collecting and analyzing the most valuable data

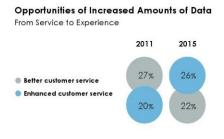


Tracking true progress 2011 to 2015 Strategic data manager -4% Aspiring data manager -8% Data collector -3% Data wasters



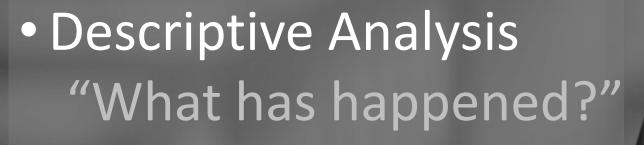




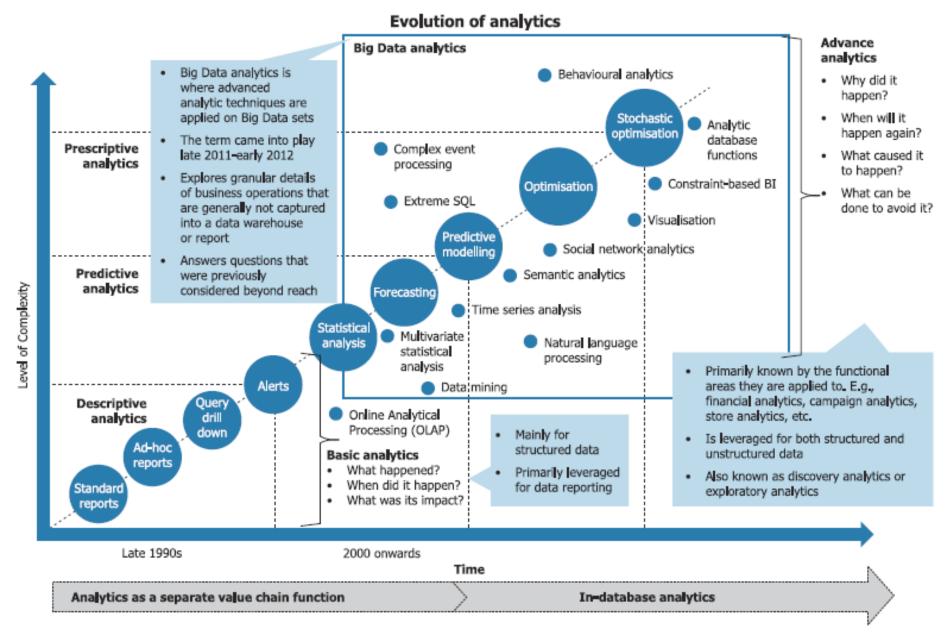




Big data analytics is the process of examining large data sets containing a variety of data types -- i.e., big data -- to uncover hidden patterns, unknown correlations, market trends, customer preferences and other useful business information.



- Predictive Analysis
 "What could happen?"
- Prescriptive Analysis
 "What should we do?"



Exponential growth in data volume, variety and velocity has facilitated the progression of analytics for better and more informed business insights

Source: NASSCOM

















On Order 0 items

Prime Benefits Unlimited Photo Storage > **Audible Limited Time Offer** Get 3 free audiobooks >

Customer Since 2015



Cart Subtotal: \$15.42 V

Proceed to checkout

2 recent changes in Cart

More top picks for you













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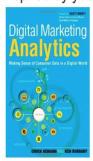


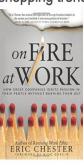
Ad feedback 💭



\$15.42 **Prime**

Inspired by your shopping trends















Shop Mother's Day gifts

Prime members: Select your free Kindle book



DELIVER HER PATRICIA PERRY DONOVÁN

AGE







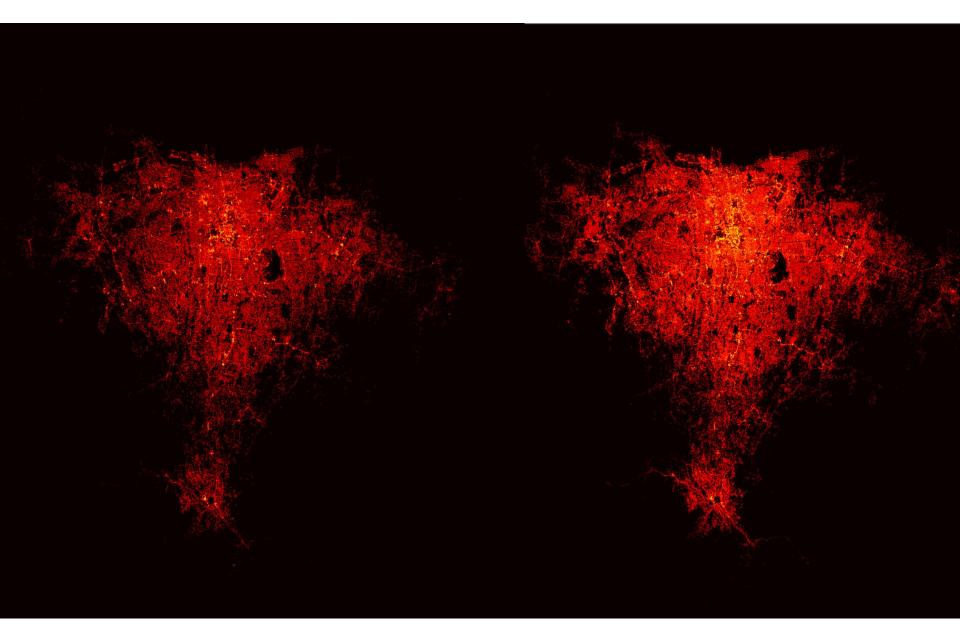


springevent Freshen up your space



DISCI gofood
gakaplikasi
failed pending dengan
driver kok masuk dengan
melakukan customer layanan
melakukan customer layanan
merchant mendapatkan sedang merchant mendapatkan confirmation tanya selalu request xitu a melalui block membuat you the konfirm siphone ini expired melebihi terus tak make boking ask lokasiphone ini expired melebihi terus tdk kesulitan panduannya atau mohon malah rideerror versidikarenakan account login calculate ter helporderan pricepengguna cancelharipas jarak blm otomatis memesan selamat nomer apps constant pesan email trouble location. knp pesan email frouble dibantu sekali gagal lagi hal semua tolong g gomart dear tak respon pemesanan buatterblo KIT digunakan input nomor food kenapa mau booking helpgeneralgoride setiap pesenmenanyakan

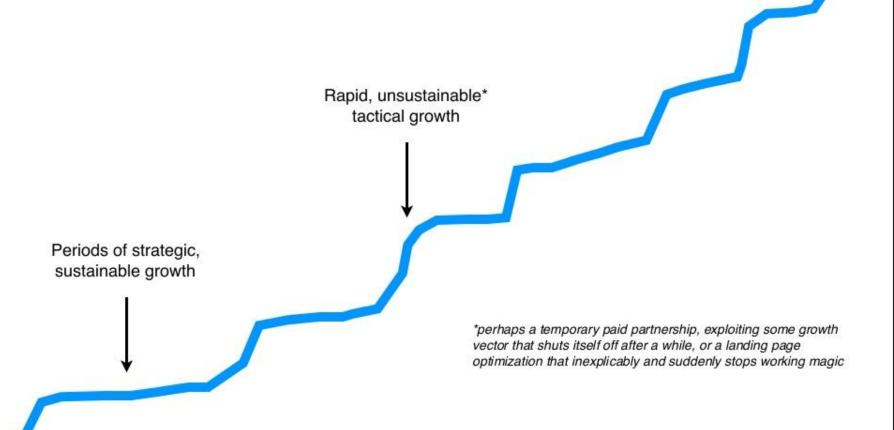








This is a Growth Curve





GROWTH HACKING

- Like A Pirate -

Acquisition

How do users find you?

Activation

Do users have a great first experience?

Retention

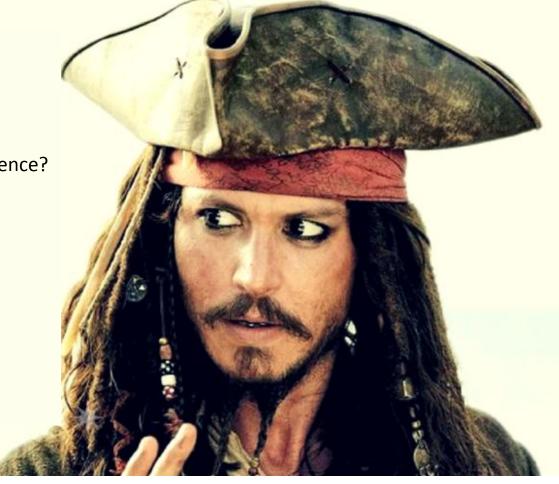
Do users come back?

Revenue

How do you make money?

Referral

Do users tell others?



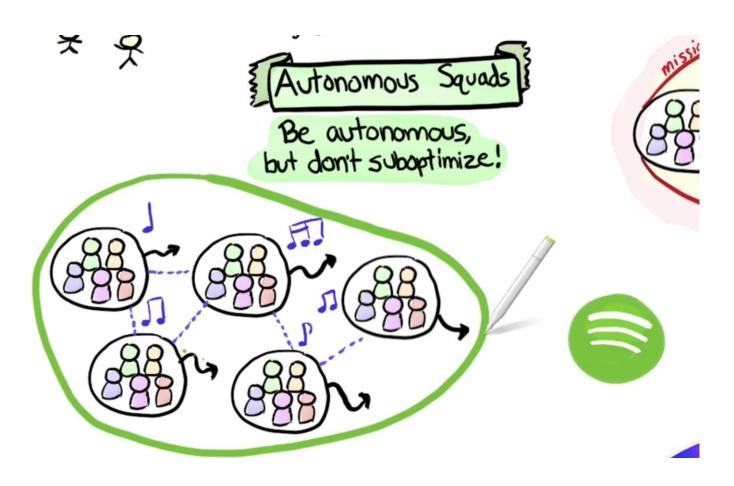


The Mobile App Customer Purchase Funnel Cheat Sheet

	Growth Drivers	Metrics
Acquisition	App Store Optimization, Ratings & Reviews, Paid Advertising, Digital/Traditional Marketing	Downloads, Installs, App Store Product Page Visits, Site Visits, Top-of-Mind or Aided Awareness
Activation	Customer On-boarding, One-Step Registration with Email or Facebook	Registrations Session Length, Screens Per Session, One-Day Retention
Retention	Proactive Communication, Loyalty Campaigns, Push Notifications, Re-Engagement Ads	n-Day Retention Monthly Active Users, Session Frequency
Referral	Rating Prompts, One-Click Sharing, Social/Contact List Integration, Incentivized Sharing	Referrals, App Store Ratings & Reviews, Social Buzz
Apptentive www.apptentive.com Revenue	Sales & Promotions, Downloadable Content, Personalization, Frequent Updates	Average Revenue Per User, Customer Lifetime Value, App Purchases/Subscriptions, In-App Transactions, Ad Revenue



Growth Team



Product Manager Analyst/
Data Scientist

Developer/ Engineer

Marketing Designer Researcher



Source: Spotify

Growth Experiment Process





Experiment Design Components

Problem Statement

• State which specific problem that you want to tackle to move the north star metric

Hypothesis

• If successful, [variable] will increase by [impact] because [assumptions]

Rationale

Baseline data

Experiment Scheme

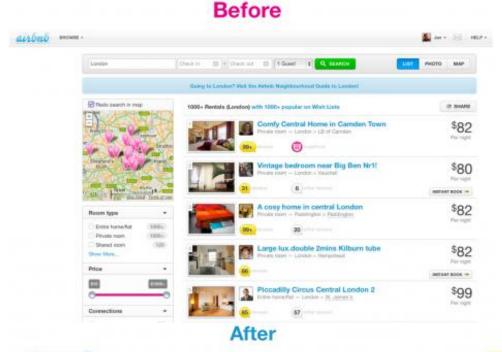
• Detailed treatment information for the users

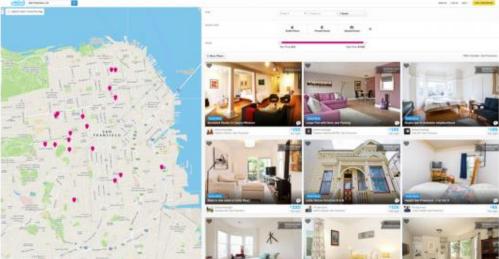
Segmentation

- Criteria of targeted users
- Sample size



AIRBNB SEARCH PAGE REDESIGN





Background

Search is a fundamental component of the Airbnb ecosystem

Experiment

Emphasize on pictures of the listings (one of the assets since they offer professional photography to the hosts) and the map that displays where listings are located

Browser	Δ	p
All	-0.27%	0.29
Chrome	2.07%	0.01
Firefox	2.81%	0.00
IE	-3.66%	0.00
Safari	0.86%	0.26
Rest	-0.74%	0.33



Source: Experiments at Airbnb

App Store Optimization



Control



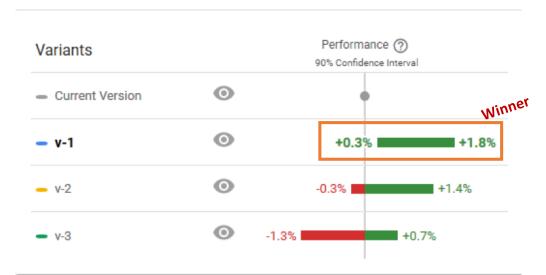
Variant - 1



Variant - 2



Variant - 3



Background

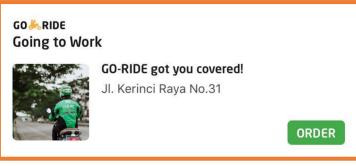
Increase organic acquisition through App Store

Experiment

Experiment on Featured Graphic by adding "human" element in it







GOTFOOD



Recommendation

Background

- Need to decrease the drop off from service selected to booking confirmed
- Increase users retention rate

Experiment

Offer one-click order button by predicting the user's order time based on their historical commuting behavior





Thank You

P.S: Yes, of course we're always hiring! bi-recruitment@go-jek.com