

DESIGN THINKING AND PRACTICE: PRODUCT MARKET FIT VALIDATION

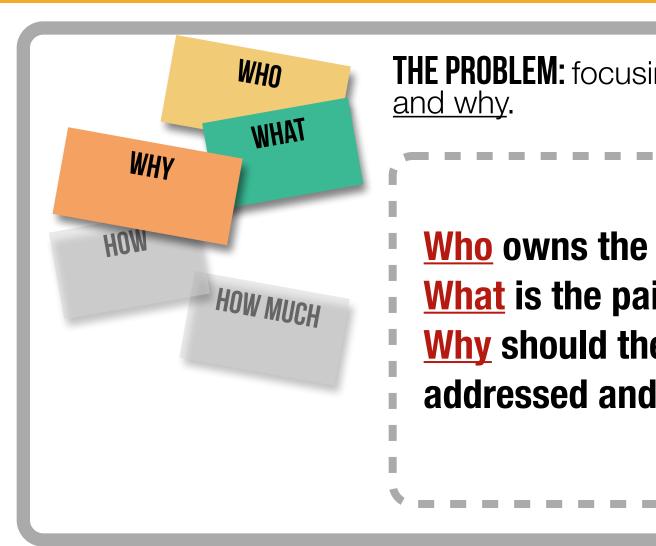
Bernard Suen
Center for Entrepreneurship
Chinese University of Hong Kong





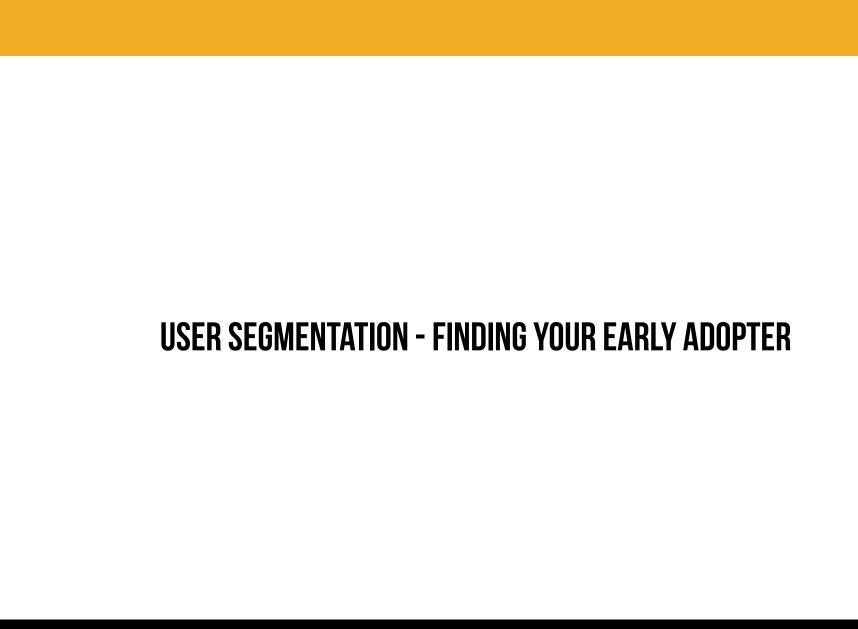
Point of View

User (Who)	Experience (What)	Needs (Why)



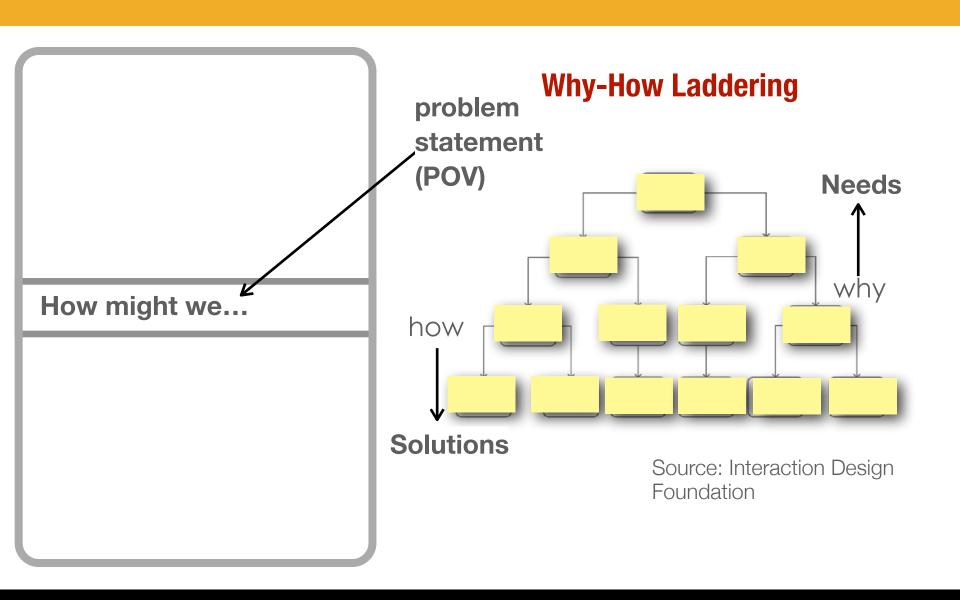
THE PROBLEM: focusing on who, what

Who owns the problem? What is the pain point? Why should the need be addressed and why you?



Segments	Origin	Duration	Levels	Faculty	Ethnic Backgnd	College
1	Local	Full Time	Undergraduate	Arts	Chinese	Chung Chl
2	PRC	Part Time	Master	Science/ Engineering	Other Asian Pacific Countries	New Asia United
3	Foreign	Exchange	PhD	Business Admin	EU (Britain)	Morningside
4				Social Science	N. America	S.H.Ho C.W. Chu
5					S.America	Wu Yee Sun
	Segme	ntation				. Chung Chl
6	Table	itation			Middle Asia/ East Europe/ Others	Lee Woo Sing

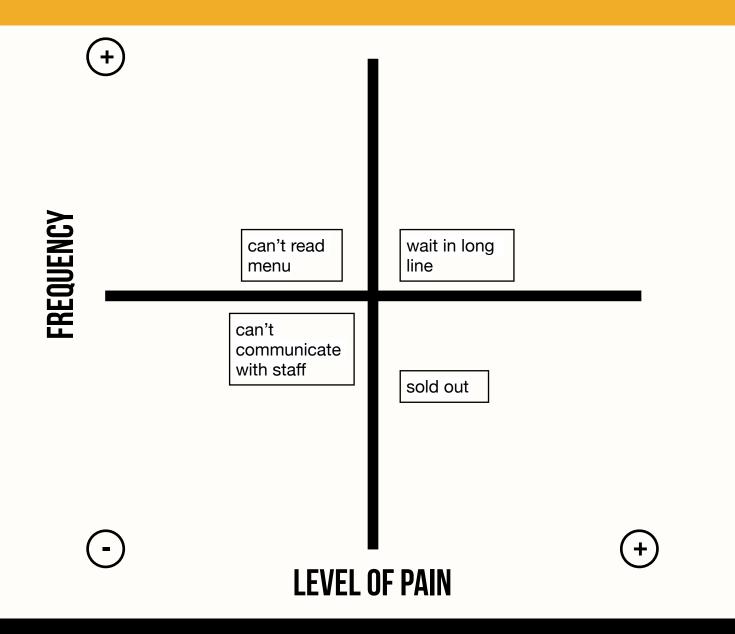






Journey Mapping

	BEGIN	CHALLENGE	RESPONSE	RETURN
PERSONA	Tom- an exchange. student			
CONTEXT	Queueing Area	Canteen POS Counter	Food Delivery Counter	Dining Area
ARTEFACTS	Menu Board	Octopus Kiosk	Utensil/ Tray	Empty Table
SCENARIO	Queue/ Chi only	Sold Out	Wait time	Wait time
PAIN LEVEL/	4/5	3/3	3/4	4/3
FREQUENCY	_ 3/3 _			





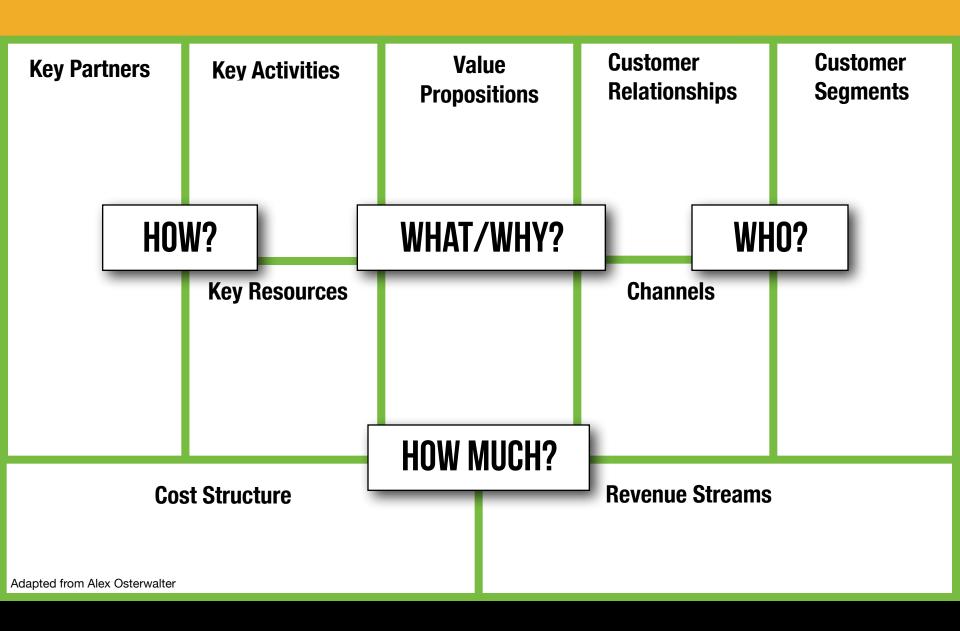


THE LEAN STARTUP APPROACH



THE SOLUTION: focusing on <u>how</u>, and <u>how much</u>.

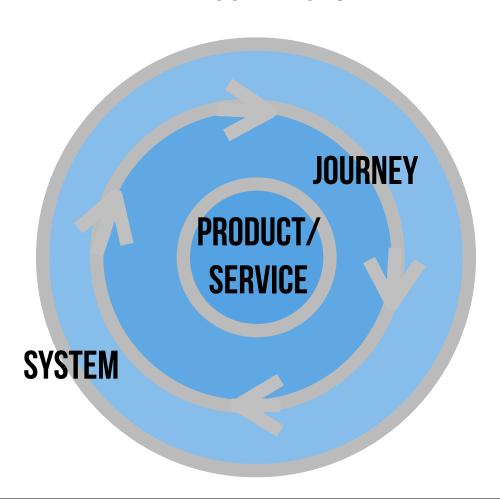
How do you connect solution to problem, resources to market? How much will it take to deliver the results (values) and yield the return investors are looking for?



HOW?:

THE INFRASTRUCTURE FOR BUILDING THE SOCIAL AND TECHNICAL SYSTEMS

THE BIGGER PICTURE

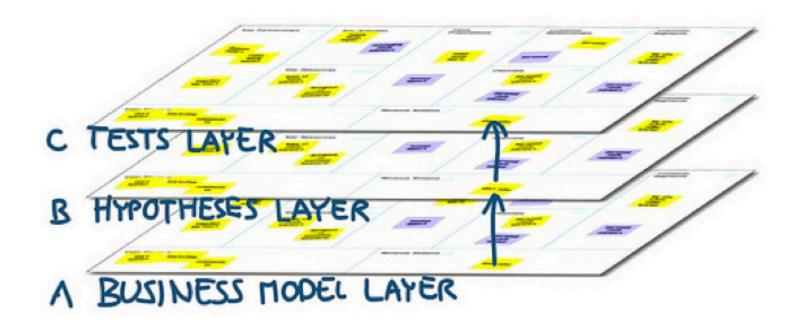


USING THE BUSINESS MODEL CANVAS TO ARTICULATE AND TEST YOUR HYPOTHESIS



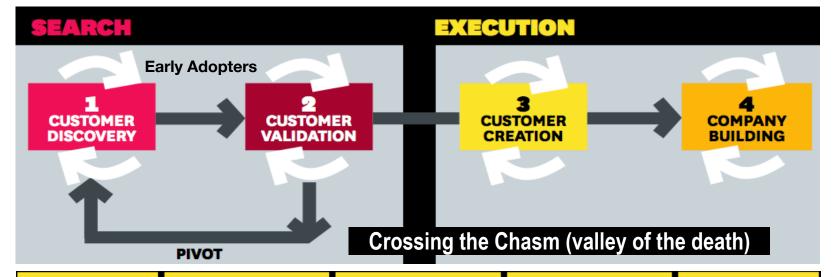
Which Business Model and How to Test It?

Adapted from Alex Osterwalter



Which Business Model and How to Test It?

Adapted from Alex Osterwalter



KEY PARTNERS

Who are our key partners?
Who are our key

Which key resources are we acquiring from our partners?

suppliers?

Which key activities do partners perform?

KEY ACTIVITIES

What key activities do our value propositions require?
Our distribution channels?
Customer relationships?
Revenue streams?

KEY RESOURCES

What key resources do our value propositions require? Our distribution channels? Customer relationships? Revenue streams?

VALUE PROPOSITIONS

What value do we deliver to the customer?

Which one of our customers' problems are we helping to solve?

What bundles of products and services are we offering to each segment?

Which customer needs are we satisfying?

What is the minimum viable product?

CUSTOMER RELATIONSHIPS

How do we get, keep, and grow customers?

Which customer relationships have we established?

How are they integrated with the rest of our business model? How costly are they?

CHANNELS

Through which channels do our customer segments want to be reached?

How do other companies reach them now?

Which ones work best?

Which ones are most cost-efficient?

How are we integrating them with customer routines?

CUSTOMER SEGMENTS

For whom are we creating value?

Who are our most important customers?

What are the customer archetypes?

Who are the early adopters?

Where can they be located?

How to leverage them to cross the chasm?

Source: Steve Blank's "How Lean Startups Change Everything"

COST STRUCTURE

What are the most important costs inherent to our business model?

REVENUE STREAMS

For what value are our customers really willing to pay?







WHO - who are the customers and where can they be reached?

WHAT - what do they need and what values can the company create in meeting the need?

WHY - why do they need it and why should the company be the one to satisfy the need?

HOW - how to produce the product or service or both to meet the need?

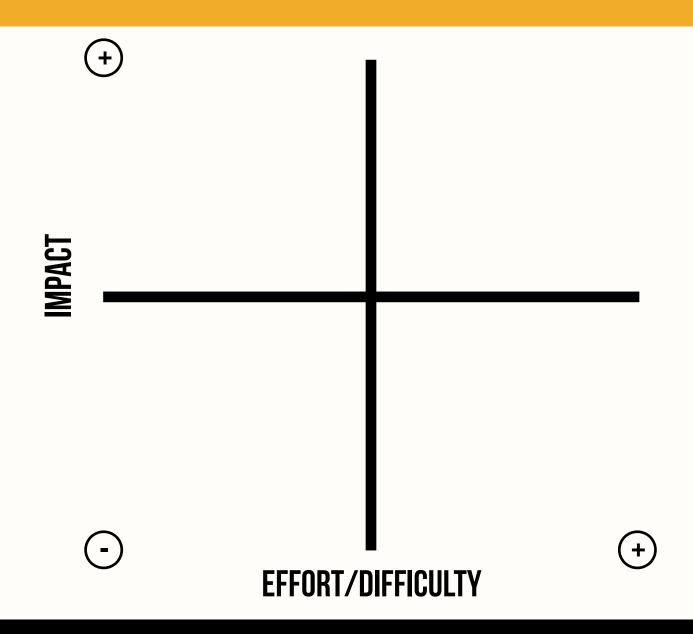
HOW MUCH - how much will it cost to produce and how much return (benefits) can be received in producing it? (The "**how much**" problem is not just economical but social and environmental.)

Source: JA Company Programme Student Manual 2015

Brain Storming Rules from IDEO

- Defer judgement.
- Encourage wild ideas.
- Build on the ideas of others.
- Stay focused on the topic.
- One conversation at a time.
- Be visual.
- Go for quantity.

Source: IDEO U



KEY PARTNERS

Who are our key partners? Who are our key suppliers?

Which key resources are we acquiring from our partners?

Which 4 partr

SYSTEM/ INFRA-

positions require? stribution channels? ustomer relationships?

Revenue streams?

KEY ACTIVITIES

What key activities do our value propositions require? Our distribution channels? Customer relationships?

SOURCES

resources do our

Revenue streams?

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customer

PRODUCT

CHANNELS

Through which channels customer segments want reached?

How do other companies reach them now?

Which ones work best?

Which ones are most cost-efficient?

How are we integrating them with customer routines?

MARKET

Source: "Why Lean Startup Changes Everything" by Steve Blank, Harvard **Business Review May** 2013

COST STRUCTURE

What are the most important costs inherent to our business model?

Which key resources are most expensive?

Which key activities are most expensive?

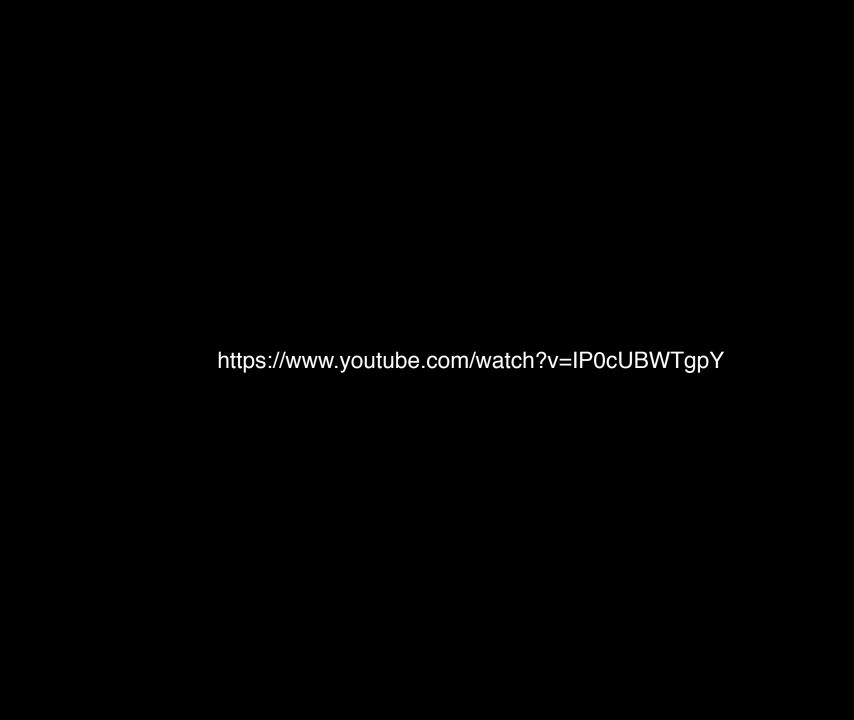
REVENUE STREAMS

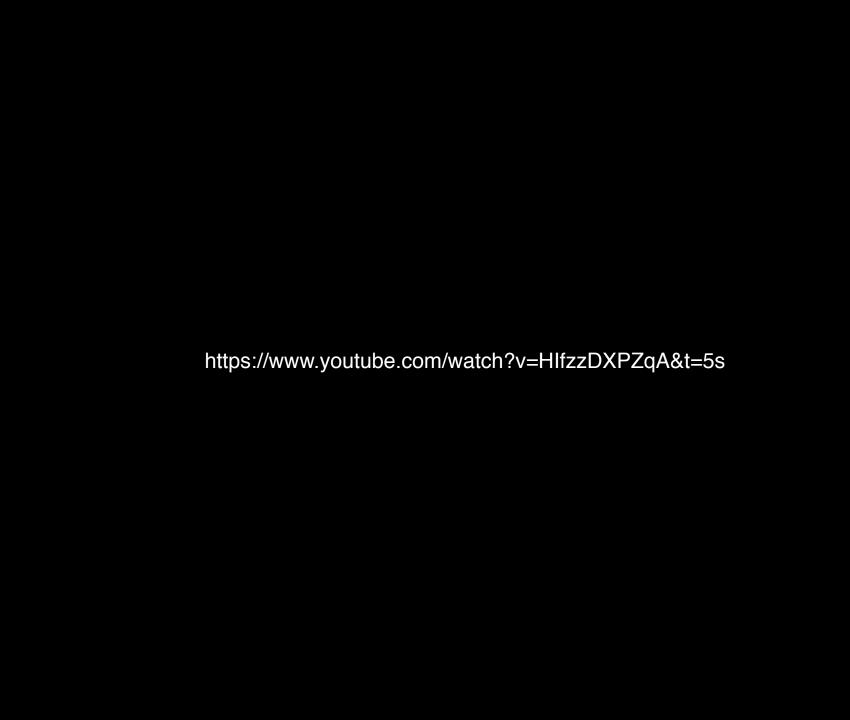
For what value are our customers really willing to pay?

For what do they currently pay?

What is the revenue model?

What are the pricing tactics?



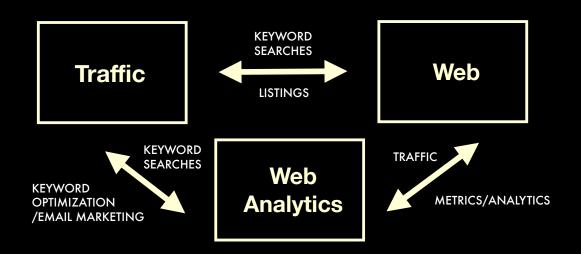




Why Web Analytics?

- Feedback to improve web design
- Know whether the content is enticing
- Has the user experience been captured?
- Who are the real users?
- What do they really care?
- How to make them come back for more?
 - conversion ratio (visitor-->member-->customer)

THE BUILD MEASURE LEARN CYCLE THROUGH ANLYTICS

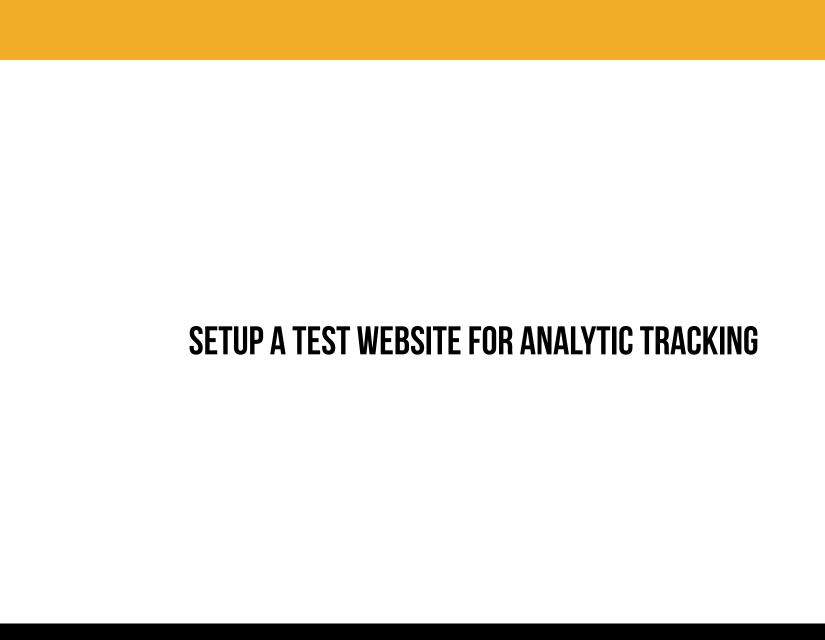


- Web analytics tell you whether your web pages attract traffic (eye balls) or not.
- With feedbacks provided by web analytics, you make changes to your web pages, site structure, title, meta-tag, key word, and link strategies.



https://www.youtube.com/watch? v=5wEFrKVTrmA&list=PLJOFJ3Ok_idtiMTz8fAiF1ElcKJM7Rncj&index=6







Analytics Tag Manager Optimize Data Studio Surveys Attribution Audience Center Analytics 360 Suite



Turn insights into action.

Get stronger results across all your sites, apps, and offline channels. Google Analytics Solutions offer marketing analytics products for businesses of all sizes to better understand your customers.

"Google's analytics products helped us improve engagement by 33% and click-throughs by 21% for content promotions on Analytics Tag Manager Optimize Data Studio Surveys Attribution Audience Center Analytics 360 Suite

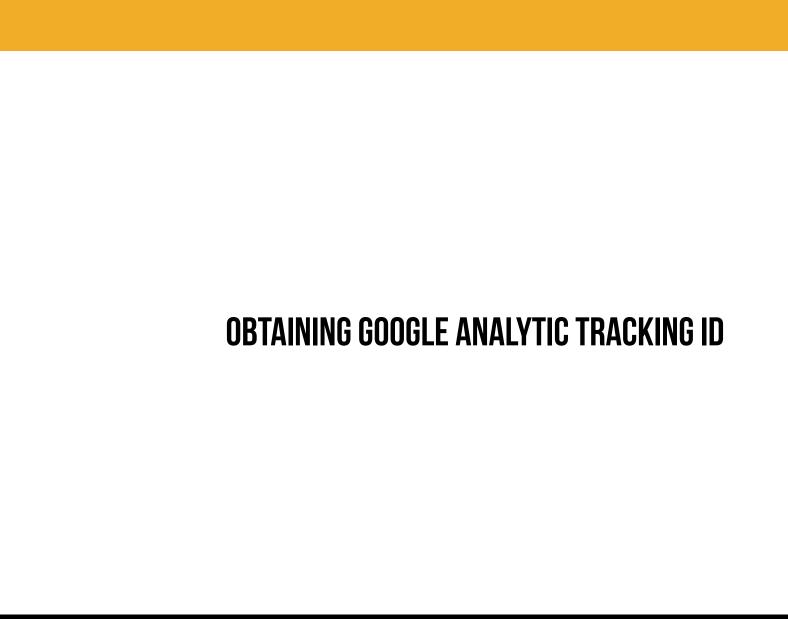
Overview Capabilities Features Compare Mobile Access Success Stories Resources

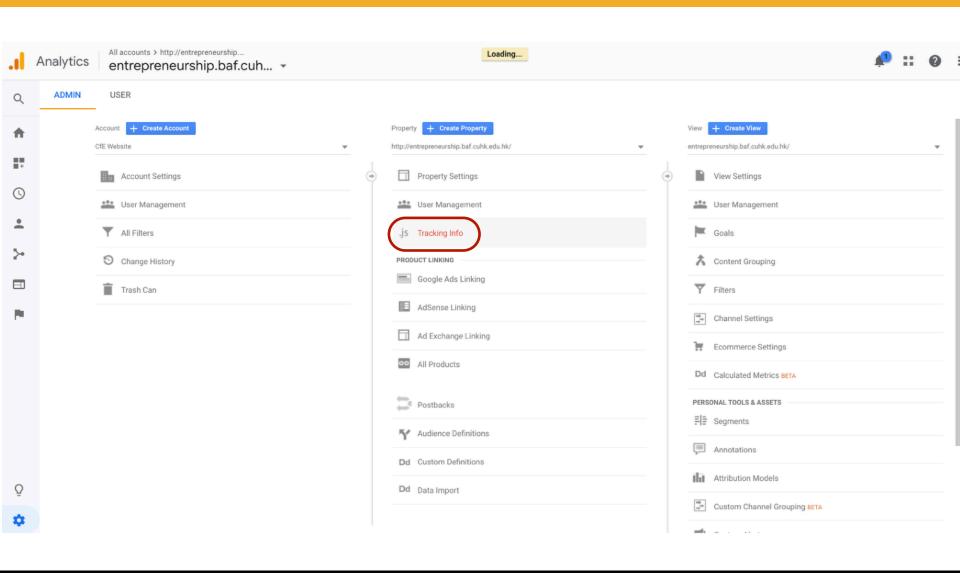


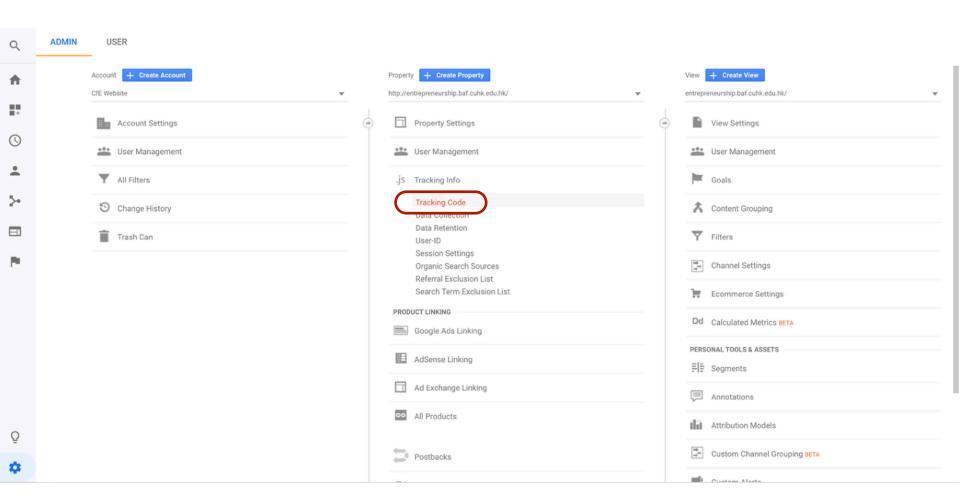
Improve the customer experience with digital analytics.

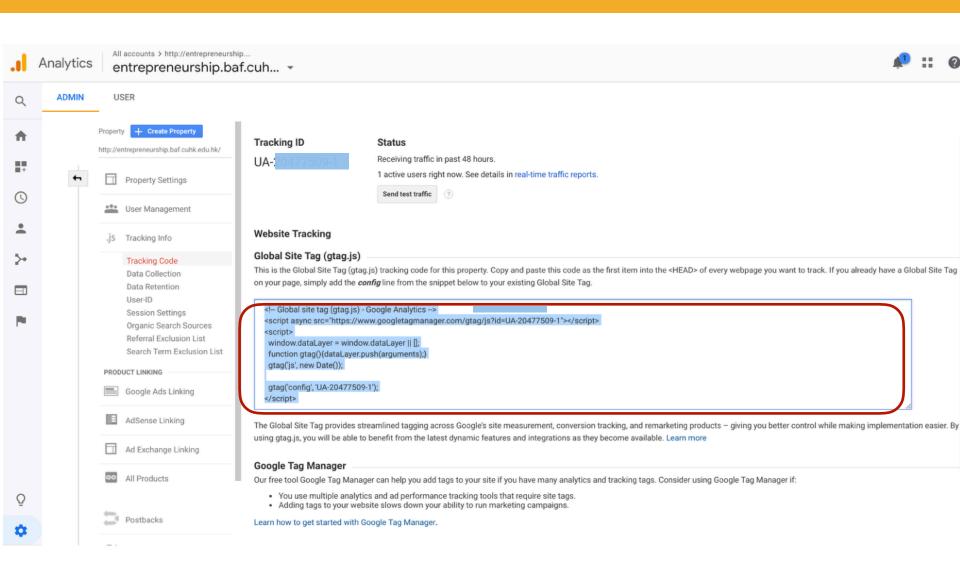
Google Analytics gives you the digital analytics tools you need to analyze data from all touchpoints in one place, for a deeper understanding of the customer experience. You can then share the insights that matter with your whole organization.

SIGN UP FOR FREE

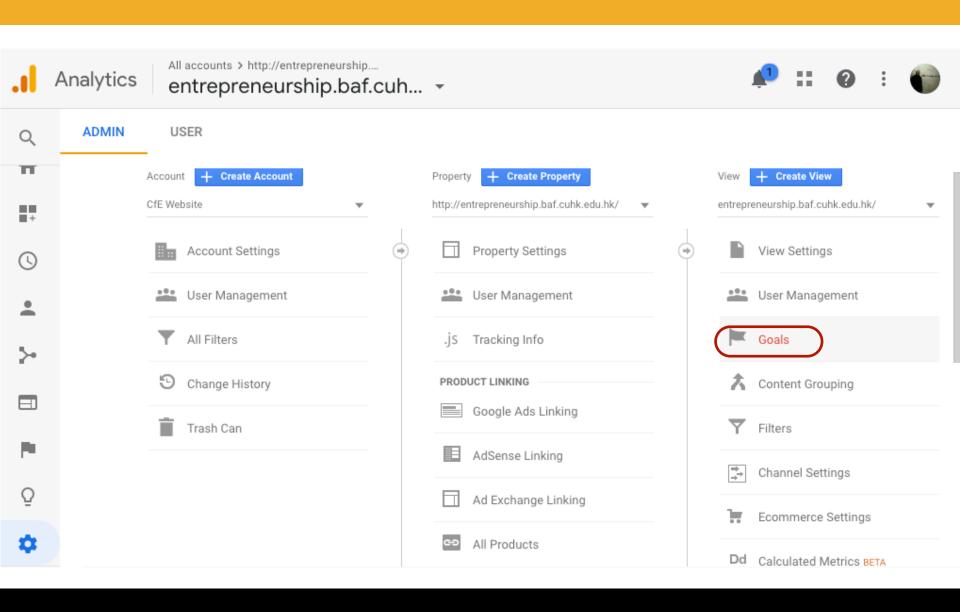


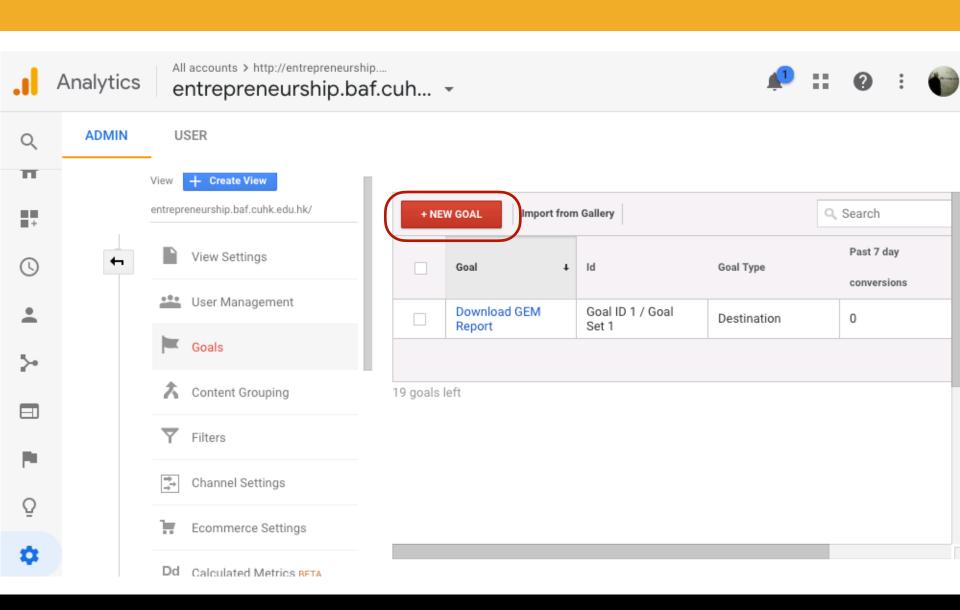


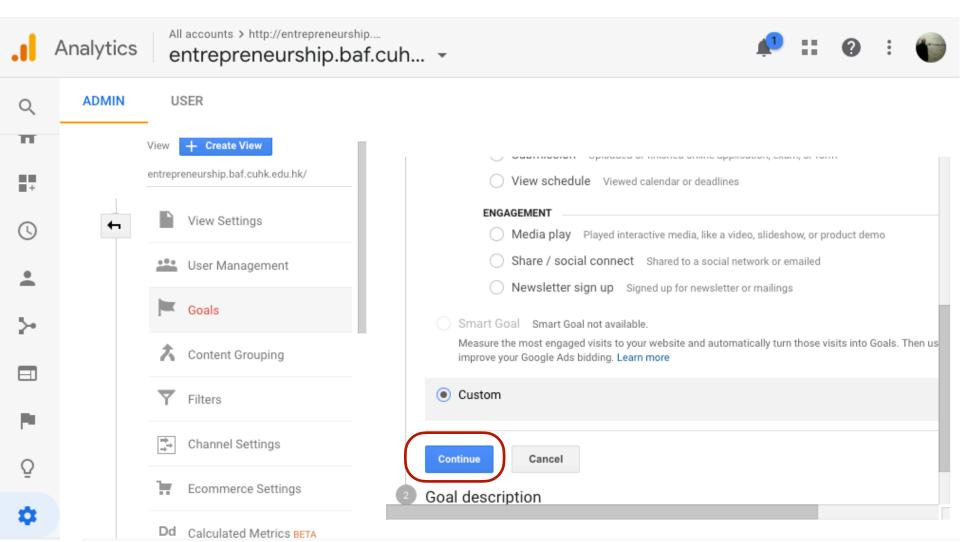


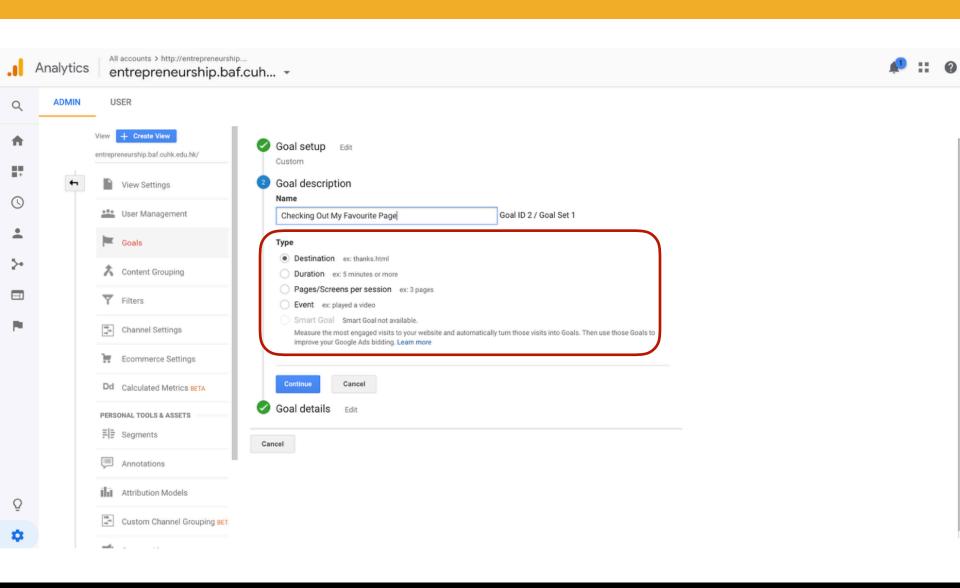


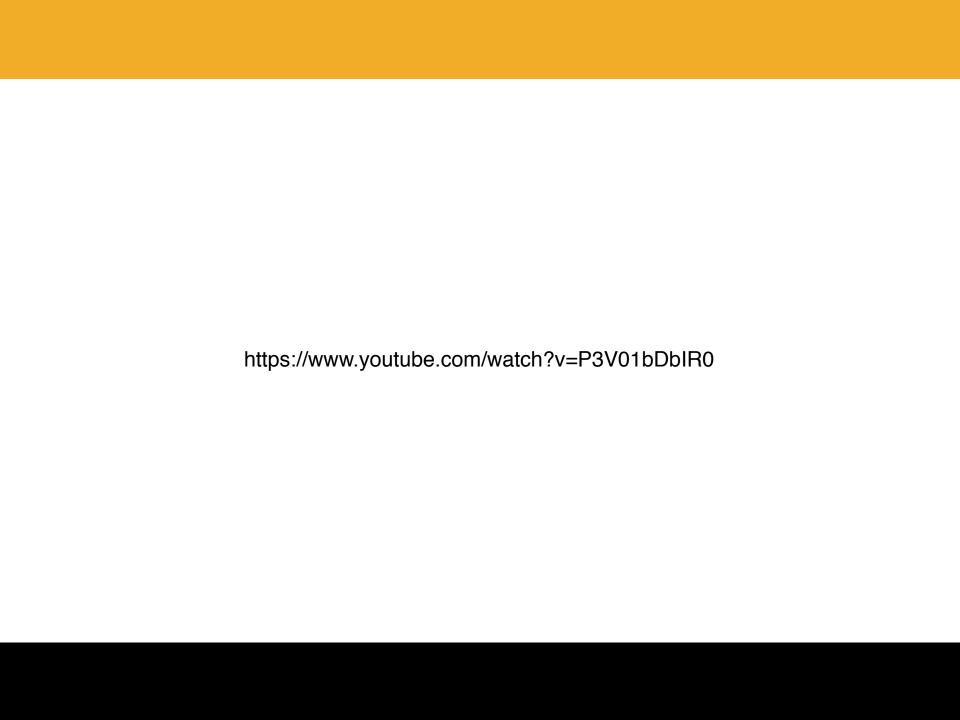














A/B Testing Can be Done With:

Call To Action Buttons



- Landing Pages
- Email Subject Lines



https://www.youtube.com/watch?v=9zAQw6UhQLs





