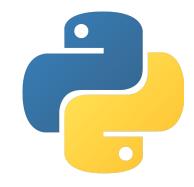
Descriptive Analytics

Bootcamp Women in Data

Angela Devia

Software development and Innovation Leader https://cientificasdedatos.com/







Contact: http://www.angeladevia.com

Content

- What is Descriptive Analytics?
- General description of the survey
- Net Promoter Score and Self-Reports
- Passive data collection
- Media planning
- Compilation and summary of causal data

What is Descriptive Analytics?

Aggregating past facts to understand situations, using scientific tools to:

Detect - Visualize - Describe - Identify - Calculate - Inquire

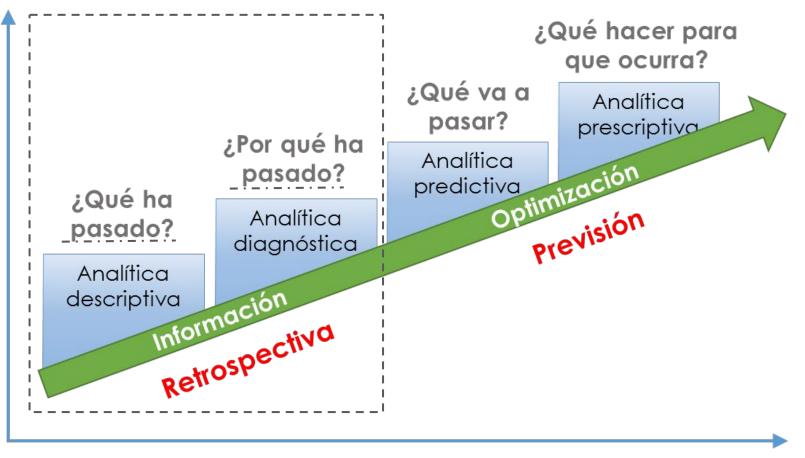
For decisions making related to KPI (key performance indicator), like:

ROI (Return On Investment), CLV (customer lifetime value), LCV (lifetime customer value), (LTV) lifetime value, CAC for Cost per Acquisition, etc.

In brief:

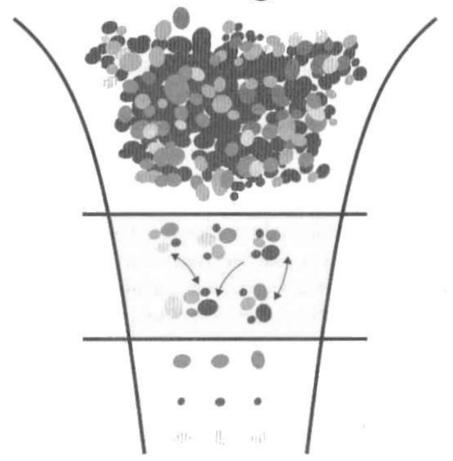
Market knowledge - Identify actions - Aid decisions making with data





Complejidad

The Knowledge Funnel



Mystery

Heuristic

Algorithm

We don't know why things happen how they happen

We need to understand our current situation

Acquiring data from customers:

Active & Passive techniques

	Surveys	Focus groups	Useful when you don't want others to bias your participant Useful when you want to explore individual experiences.	
Bias?	Useful when you don't want others to bias your participant	Potential of 'group bias' – participants say what they think you or other participants want to hear		
Shared experience?	Participant relies on own experience — may be more difficult to recall.	Useful to talk about shared experiences. 'You bounce off ideas from one another'.		
Idea development aided by others?	Relies on participant able to formulate their ideas without prompts.	FGs are useful when the development of ideas and understanding is aided by other group members.	FGs are useful when the development of ideas and understanding is aided by other group members.	
Motivation/Enjoyment	? Non-response and quality of response as a problem.	Participants generally enjoy the process.* They learn something new.	Participants generally enjoy the process. They learn something new.	

BUT: feasibility and practicality may be the largest factors (of getting volunteers, organising them together etc.)

General description of the survey

It is an Active Data Collection, as same as self-reports (consumer behaviors)

Depends on the media, location and context

Media: Personal - Web - Mobile

Context: at the moment to keep it fresh

Type of questions

&

Validity + Reliability

General description of the survey

+ Low cost

- Write it biased

+ Easy

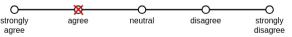
- Right audience
- + Learn about potential
- Tools

Please rank the following ice cream flavors.



Website User Survey

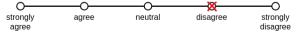
1. The website has a user friendly interface.



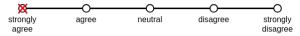
2. The website is easy to navigate.



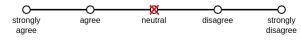
3. The website's pages generally have good images.



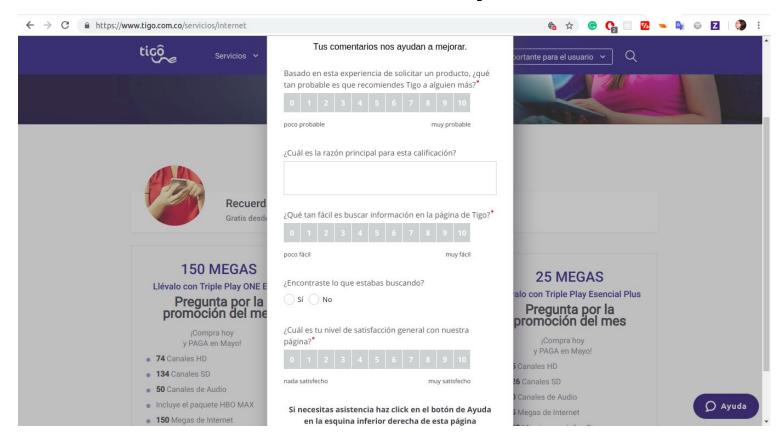
4. The website allows users to upload pictures easily.



5. The website has a pleasing color scheme.



Net Promoter Score and Self-Reports



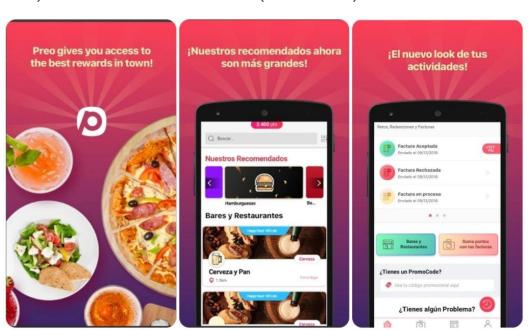
Net Promoter Score and Self-Reports

Net Promoter Score =

% de Promotores (de 9 a 10) - % de Detractores (de 0 a 6) *



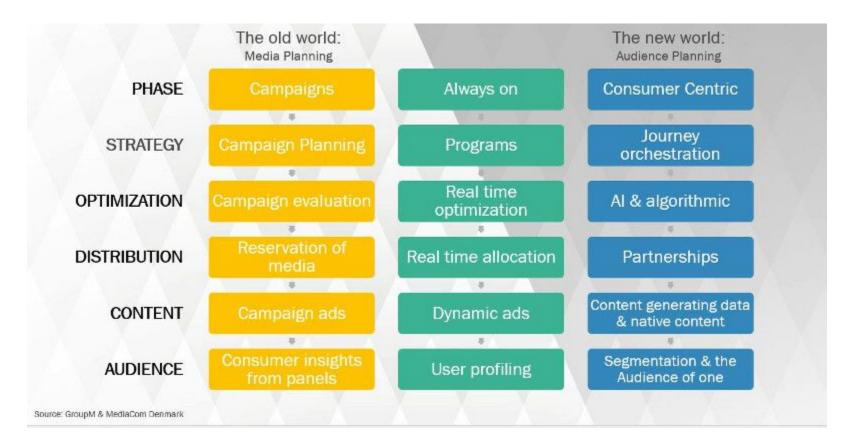




Passive data collection

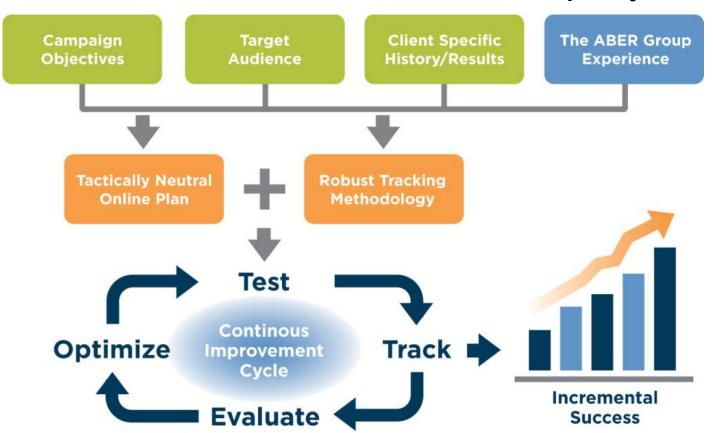
		WHO	WHAT	WHERE	WHEN	WHY
PASSIVE	Analytics		1	1	1	
	Customer Service Records	1	1			1
	Feedback forms		1	1		
	Social Media Listening	1	1			1
	Net Promoter Score		1			
ACTIVE	Targeted Surveys		1			
	Focus Groups	1	1	1	1	1
	Customer Interviews	1	1	1	1	1
	Usability Tests	1	1	1	1	

Media planning



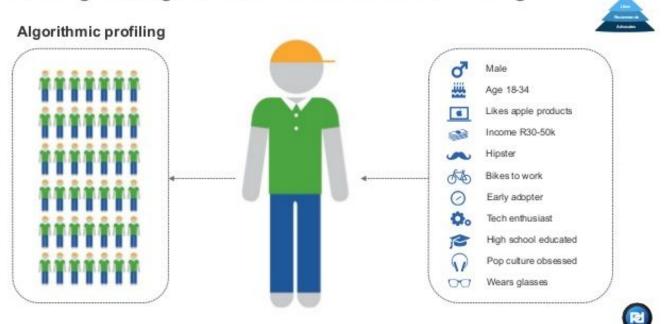
The Stages of the Customer Lifecycle *one bad experience can lose a customer *optional **EXPERIENCE ENGAGEMENT** RETENTION LOYALTY **ADVOCACY PURCHASE AWARENESS EVALUATION** BONDING *brand advocates can help attract new customers

A company example



Goal: Profiling and look alike

Scaling through audience lookalike modeling



Compilation and summary of causal data

Correlation <> Causation

A & B -> C A -> B

AB TESTING* intentional changes in processes to be measured



RESUME

Why use Descriptive Analytics?

Handling knowledge about market behavior and business model

How use it?

Research → Causal questions → Data collection → Tools

What should we be focused on?

Collecting & interpreting data



contacto@cientificasdedatos.com