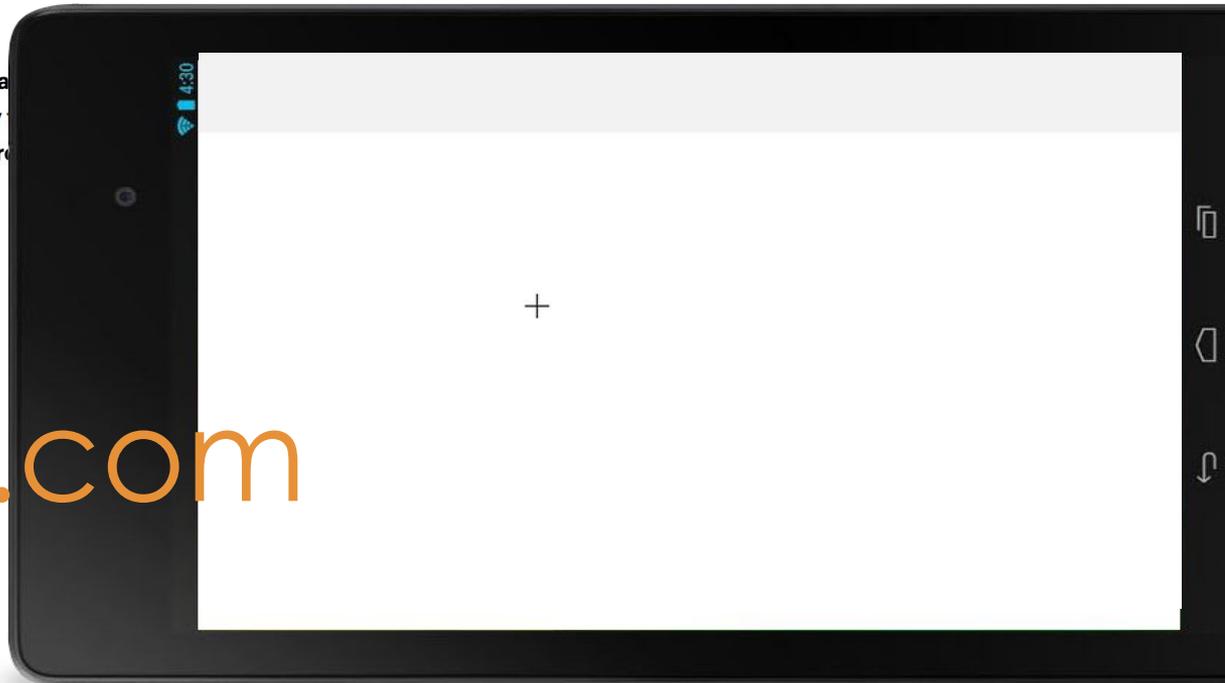


Turn your doodles into ART: Google launches free Autodraw tool that transforms clumsy scribbles

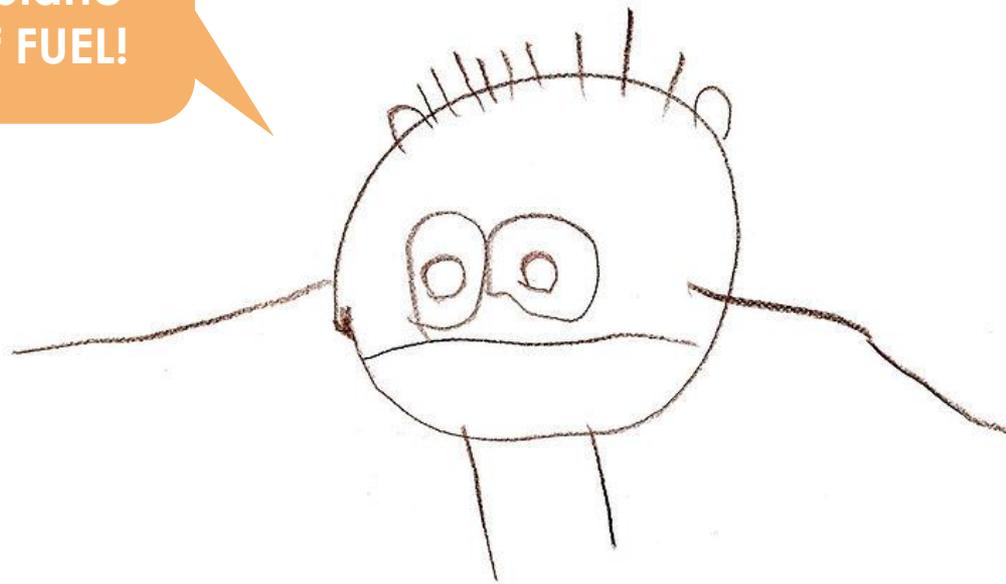
- AutoDraw software uses machine learning to recognise what you've drawn
- You can then replace your efforts with images submitted by other users
- It can currently make hundreds of guesses but this will improve over time

Lets Try!

autodraw.com

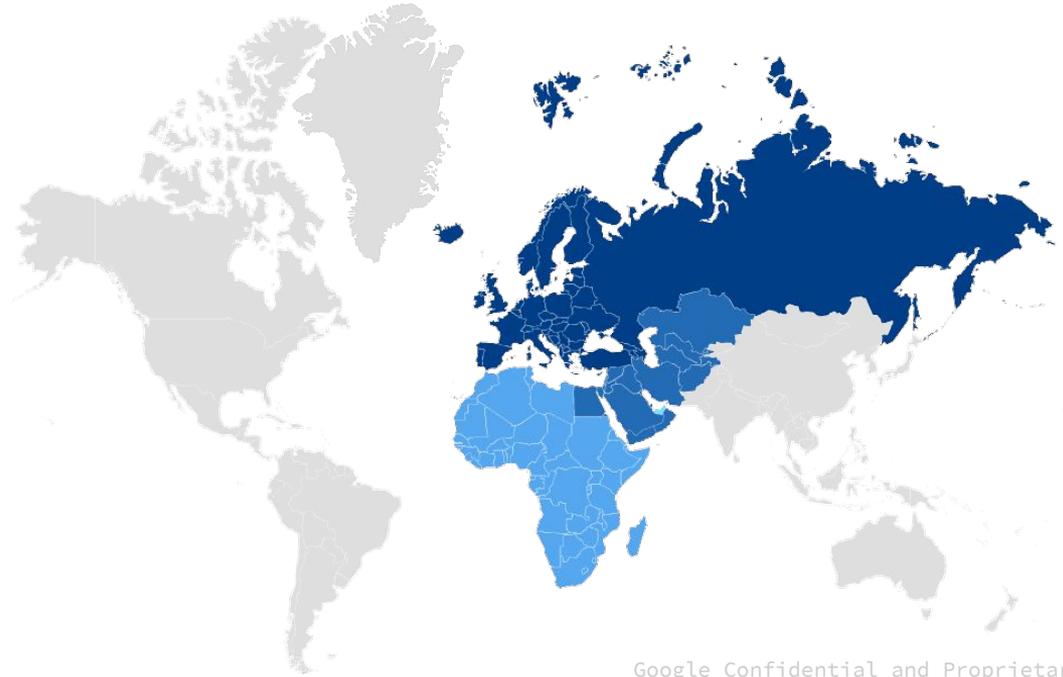


Cherios!
I am an aeroplane
running out of FUEL!



Hello! I am Matz

Google **ATTRIBUTION PRODUCT LEAD**



Bristol-Myers Squibb





<https://www.youtube.com/watch?v=Q70u1P3W3Gk>

*“WE WILL MOVE
FROM MOBILE-
FIRST TO AN AI-
FIRST WORLD”*

SUNDAR PICHAI, December 2016





CADE METZ BUSINESS 03.15.16 5:01 AM

GOOGLE'S AI WINS FIFTH AND FINAL GAME AGAINST GO GENIUS LEE SEDOL





ALPHAGO
00:00:54



AlphaGo

Lee Sedol





DeepMind

“The perfect search engine should understand exactly what you mean and give you back exactly what you need.”

- Larry Page



Let's Demystify.....

ROHAN

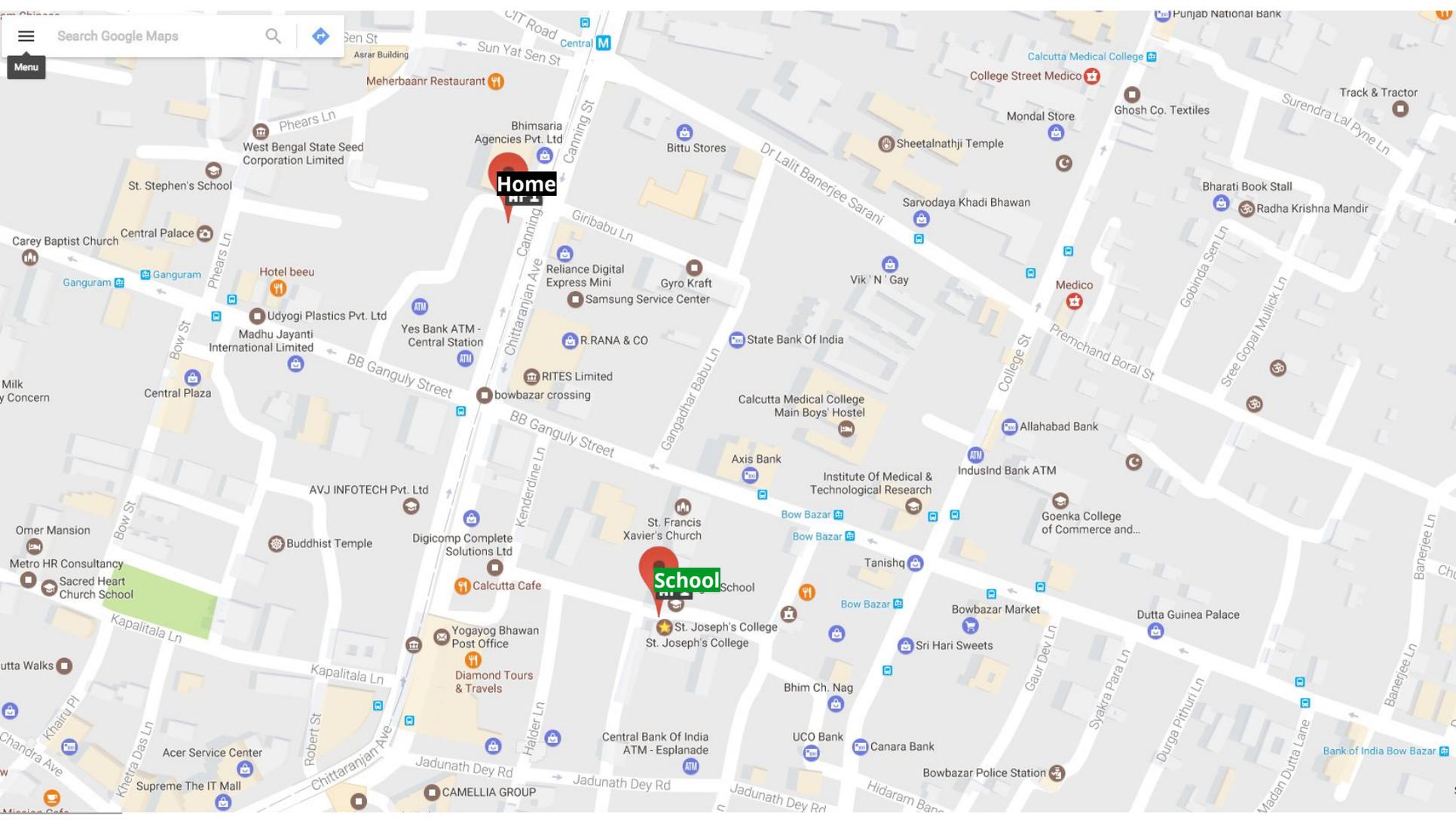


Never Pleasant!





Exposure  =  Well being



Home

School

Search Google Maps



Menu

Bhimsaria Agencies Pvt. Ltd

Home

School

St. Joseph's College

West Bengal State Seed Corporation Limited

Hotel beeu

Madhu Jayanti International Limited

Yes Bank ATM - Central Station

bowbazar crossing

AVJ INFOTECH Pvt. Ltd

Digicomp Complete Solutions Ltd

Calcutta Cafe

Yogayog Bhawan Post Office

Diamond Tours & Travels

Acer Service Center

Supreme The IT Mall

CAMELLIA GROUP

Central Bank Of India ATM - Esplanade

UCO Bank

Canara Bank

Bowbazar Police Station

Calcutta Medical College

College Street Medico

Mondal Store

Ghosh Co. Textiles

Sheetalnathji Temple

Sarvodaya Khadi Bhawan

Vik 'N' Gay

Reliance Digital Express Mini

Samsung Service Center

R.RANA & CO

BITES Limited

State Bank Of India

Calcutta Medical College Main Boys' Hostel

Axis Bank

Institute Of Medical & Technological Research

Allahabad Bank

IndusInd Bank ATM

Goenka College of Commerce and...

St. Francis Xavier's Church

Tanishq

Bow Bazar

Bowbazar Market

Dutta Guinea Palace

St. Joseph's College

Bhim Ch. Nag

Sri Hari Sweets

Durga Pithuri Ln

Syakra Para Ln

Jadunath Dey Rd

Hidaram Ban

Madan Dutta Lane

Bank of India Bow Bazar

Surendra Lal Pyne Ln

Gobinda Sen Ln

Sree Gopal Mullick Ln

Premchand Boral St

College St

Gangachar Babu Ln

BB Ganguly Street

Kenderline Ln

Chittaranjan Ave

Chittaranjan Ave

Kapalitala Ln

Chittaranjan Ave

Chittaranjan Ave

Khetra Das Ln

Khetra Das Ln

Khairu Pl

Chandra Ave

Mission Cafe

Carey Baptist Church

Central Palace

Ganguram

Phears Ln

Boy St

Central Plaza

Omer Mansion

Metro HR Consultancy

Sacred Heart Church School

Kapalitala Ln

utta Walks

Chandra Ave

Mission Cafe

Sen St

Asrar Building

Meherbaan Restaurant

St. Stephen's School

Bhimsaria Agencies Pvt. Ltd

Bittu Stores

College Street Medico

Ghosh Co. Textiles

Track & Tractor

Bharati Book Stall

Radha Krishna Mandir

Giribabu Ln

Gyro Kraft

Vik 'N' Gay

Samsung Service Center

R.RANA & CO

BITES Limited

State Bank Of India

Calcutta Medical College Main Boys' Hostel

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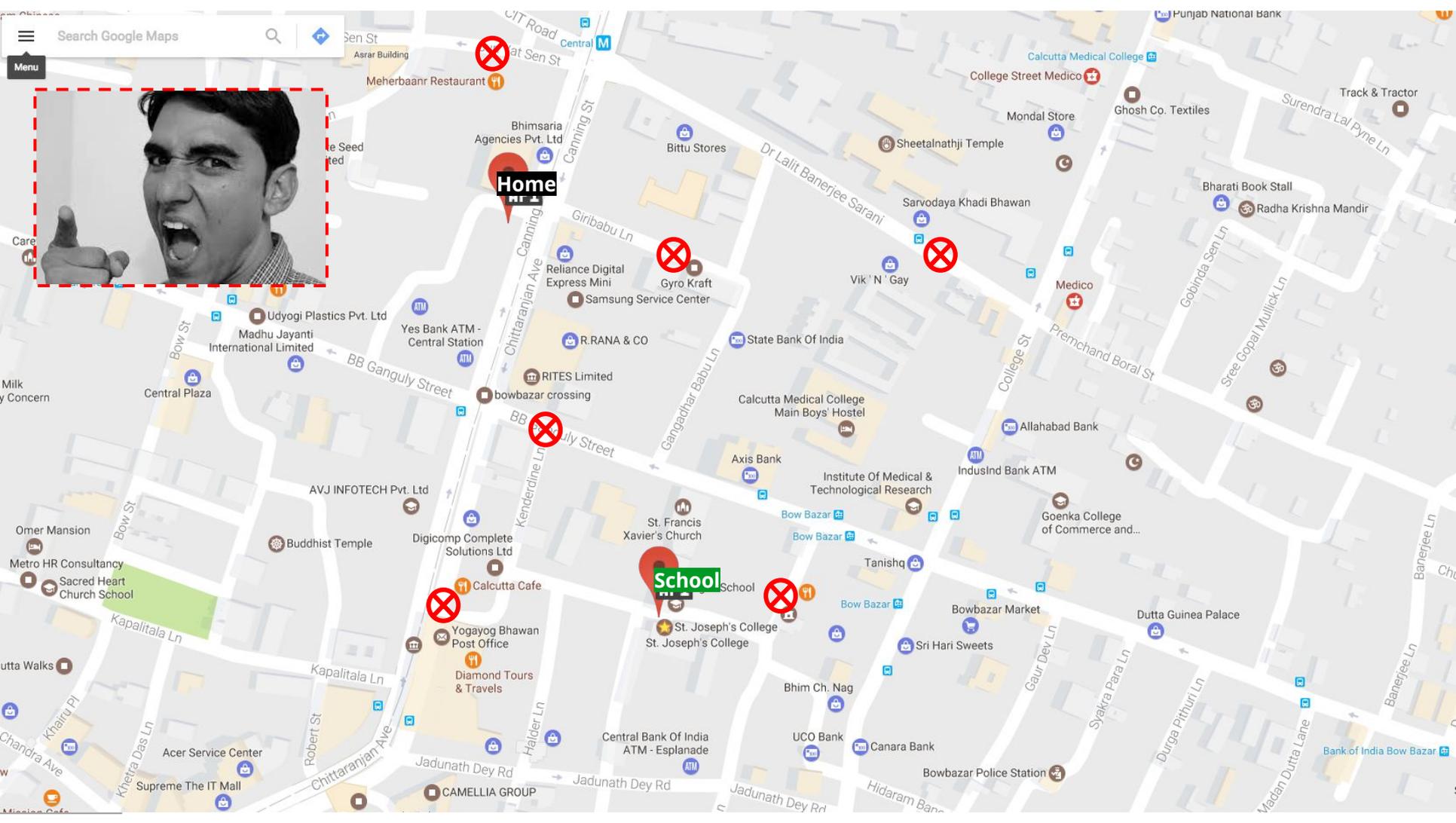
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Institute Of Medical & Technological Research

Allahabad Bank

IndusInd Bank ATM

Goenka College of Commerce and...



Search Google Maps



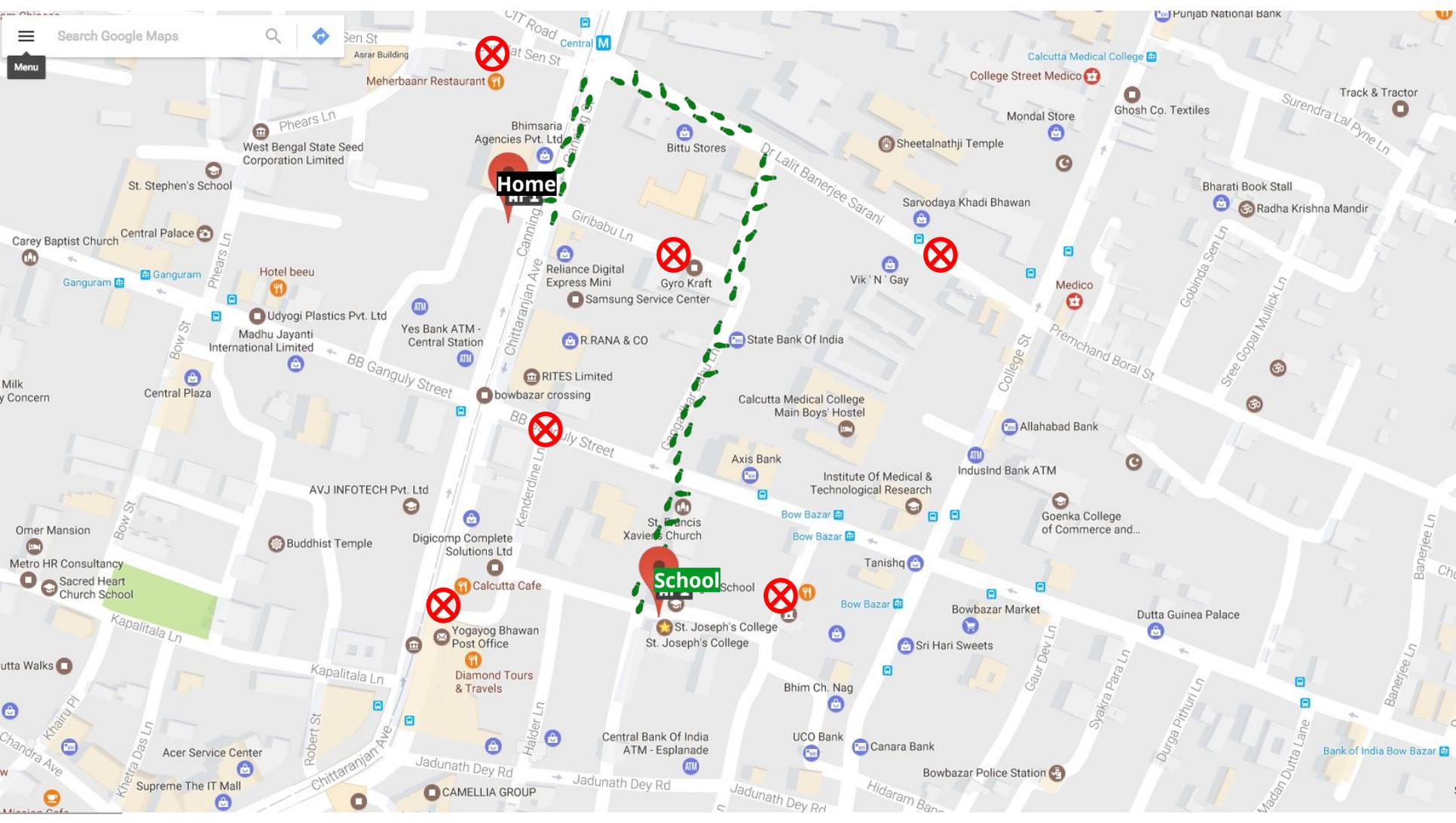
Menu



Home

School





Home

School



Search Google Maps



Menu

If only !
Machine Learning



The Great A.I. Awakening

How Google used artificial intelligence to transform Google Translate, one of its more popular services — and how machine learning is poised to reinvent computing itself.

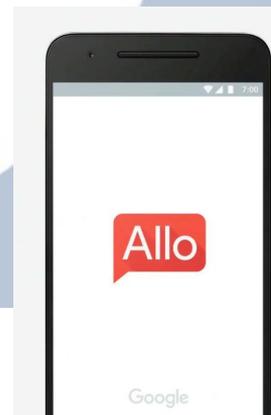
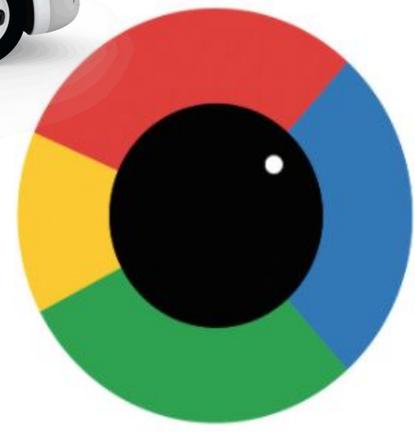
BY GIDEON LEWIS-KRAUS DEC. 14, 2016



The Great A.I. Awakening

...used artificial intelligence to transform Google
...of its more popular services — and how
...ing is poised to reinvent computing itself.

DEON DEC. 14, 2016



What about Ads?



80% of time spent is dealing with manual, repetitive and less strategic tasks



We gave you data for your optimization....



Last Click

New data for your optimization.....



Last Click



Impressions



Assist
Clicks



Cross
Device



Audiences

And more data if that helps



Website
Conversion



Call Centre
Sales



Offline
Sales



Download



Lifetime
Value

etc.....

Tools can now find the
best *picture*,
best *headline*,
best *price*, etc.



allegro

| wszystkie działy ▾



0:01 / 2:59



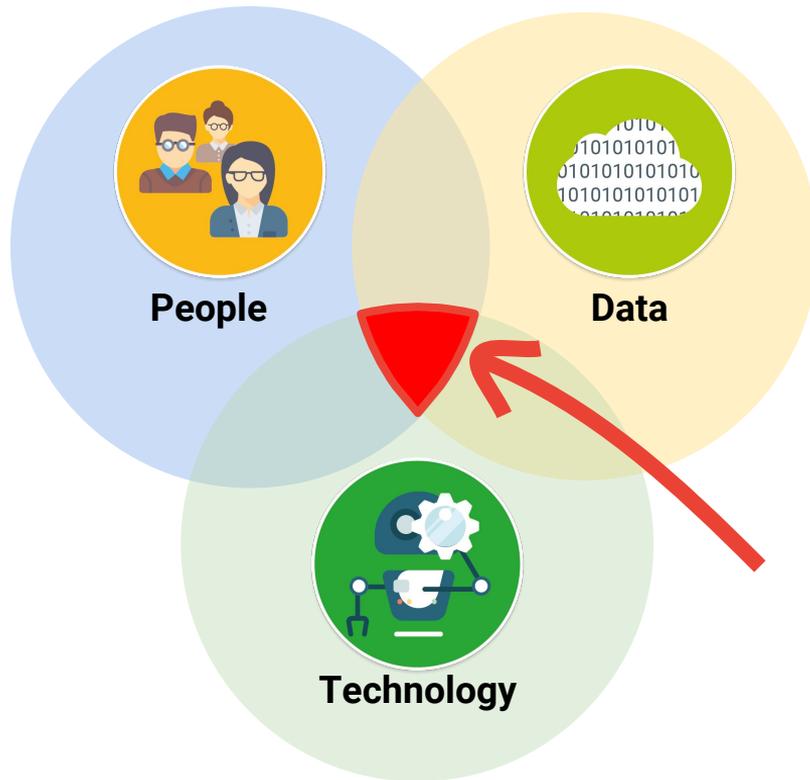
It's pure Creative & Strategic Work.....
Machines had nothing to do



People and data make machine learning work Proprietary + Confidential



Creative & Strategic



**Effectiveness &
Efficiency**

Our Hope

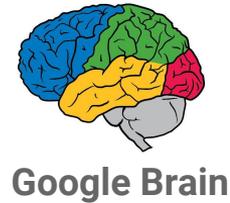


We leverage Google's existing technology stack

These world class products...



All use Google's advanced machine learning



Powering ads and analytics innovations with machine learning

Tuesday, May 23, 2017

Good morning, San Francisco! As the city starts to wake up, my team and I are getting up to welcome over a thousand marketers from around the world to [Google Marketing Next](#), our annual event where we unveil the latest innovations for ads, analytics and DoubleClick.

A big theme you'll hear about today is machine learning. This technology is critical in helping marketers analyze countless signals in real time and reach consumers with

AdAge

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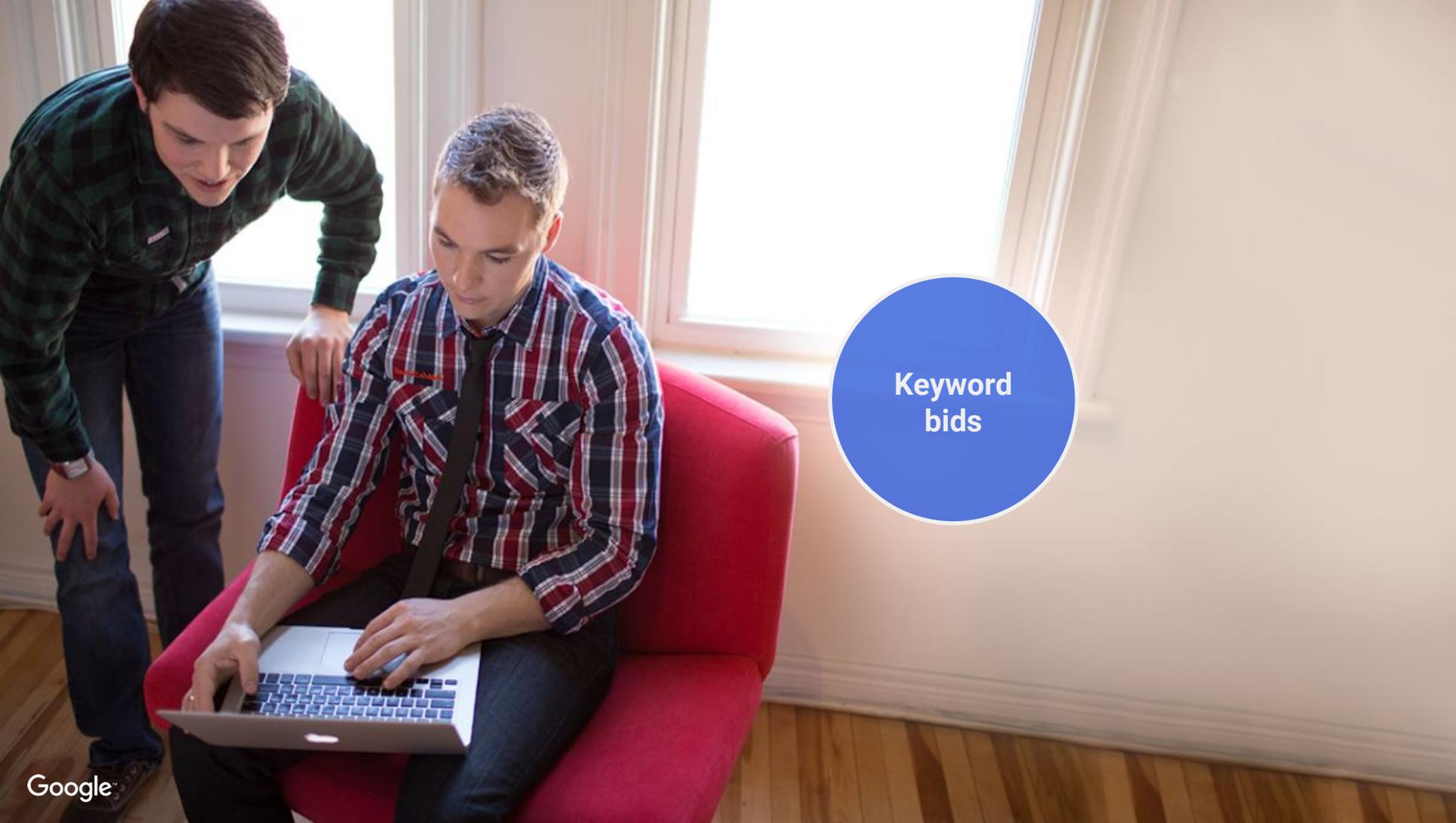
LOG

How Google Plans to Kill 'Last Click Attribution'

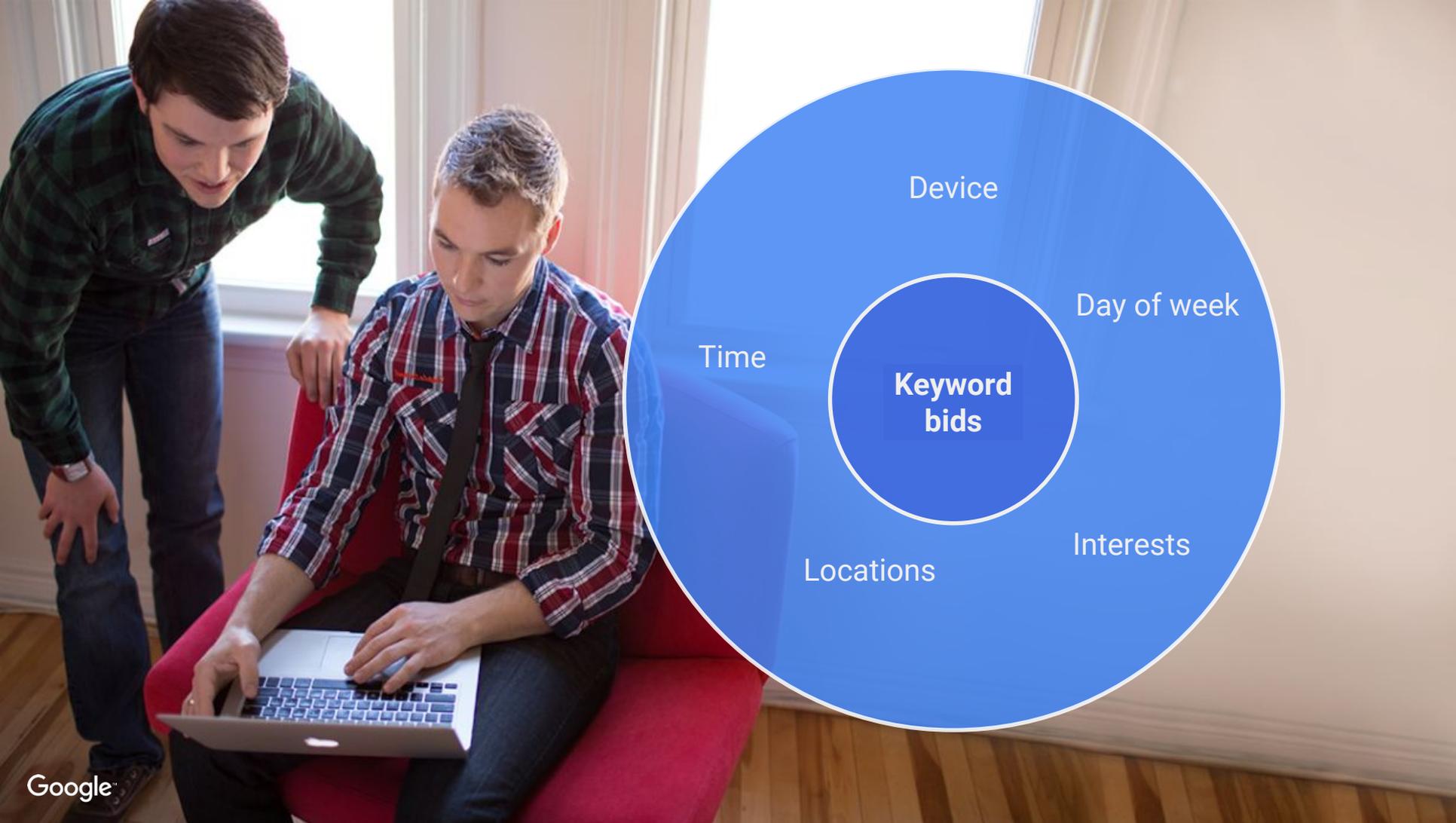
By [George Slefo](#). Published on May 23, 2017.



Most Popular



**Keyword
bids**



Device

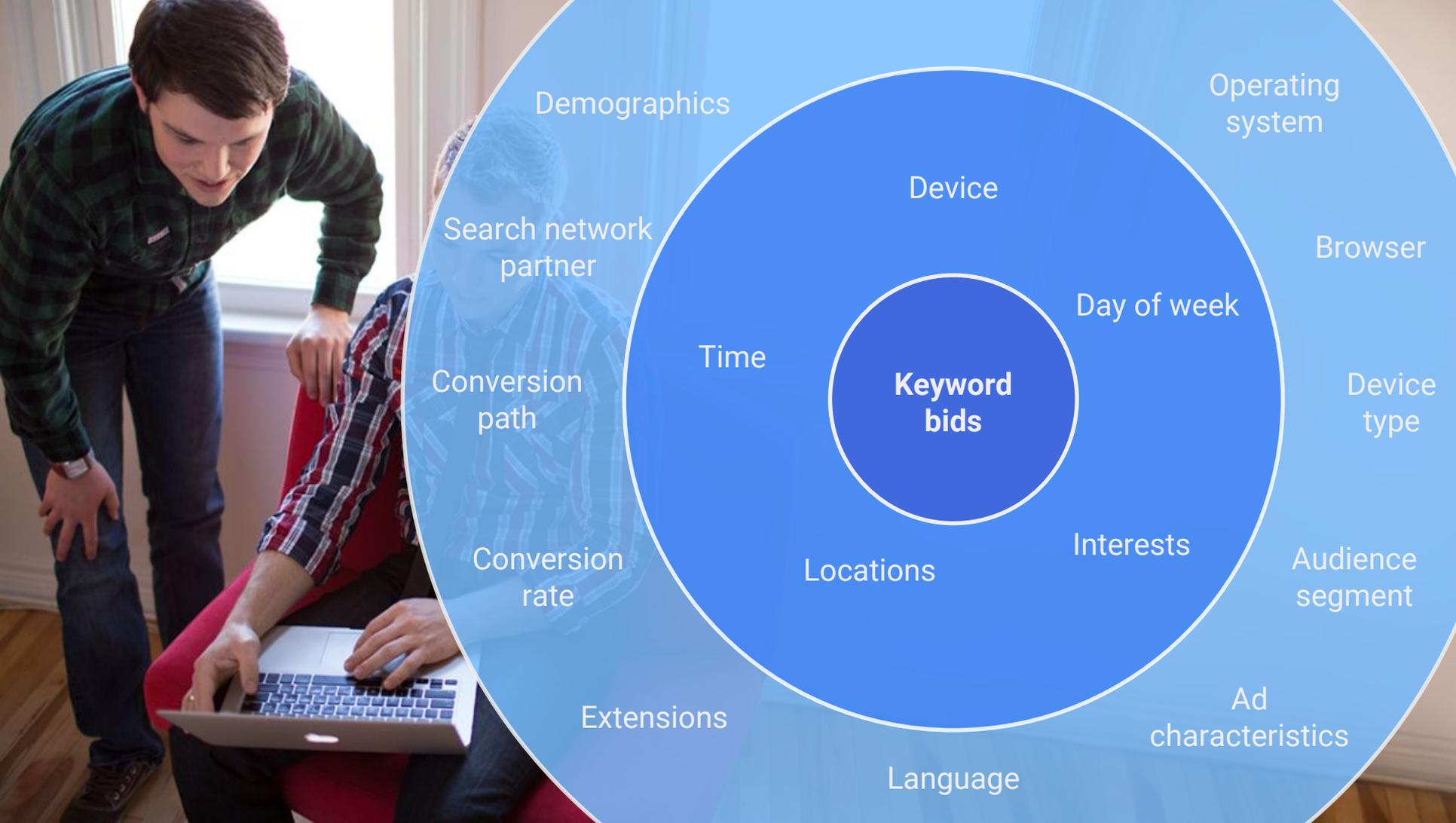
Day of week

Keyword bids

Time

Interests

Locations



Keyword bids

Demographics

Operating system

Device

Browser

Search network partner

Day of week

Time

Device type

Conversion path

Conversion rate

Locations

Interests

Audience segment

Extensions

Ad characteristics

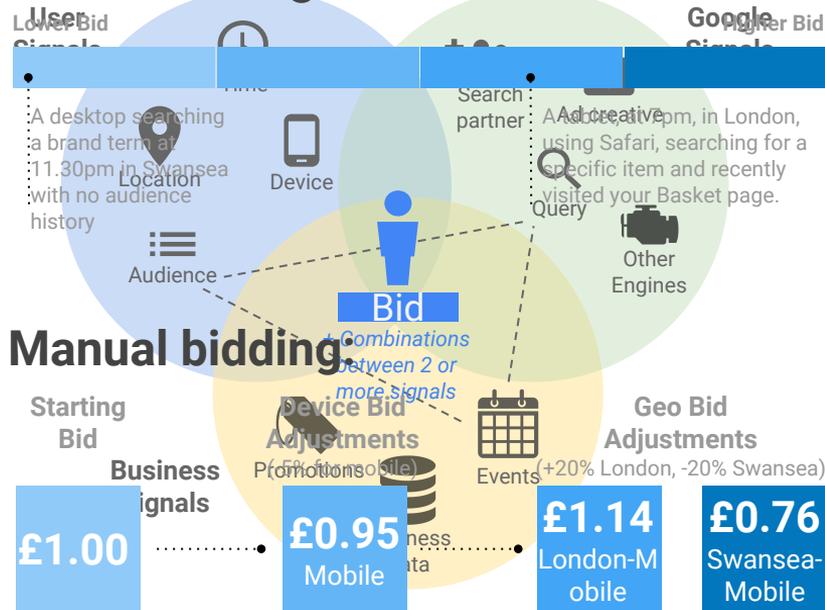
Language

Get **Smart** about your bidding!

Google Smart Bidding technology sets bids at a frequency unmatched by any other platform.

This provides a more precise level of bid optimisation and tailors bids at an unparalleled frequency.

Smart Bidding:



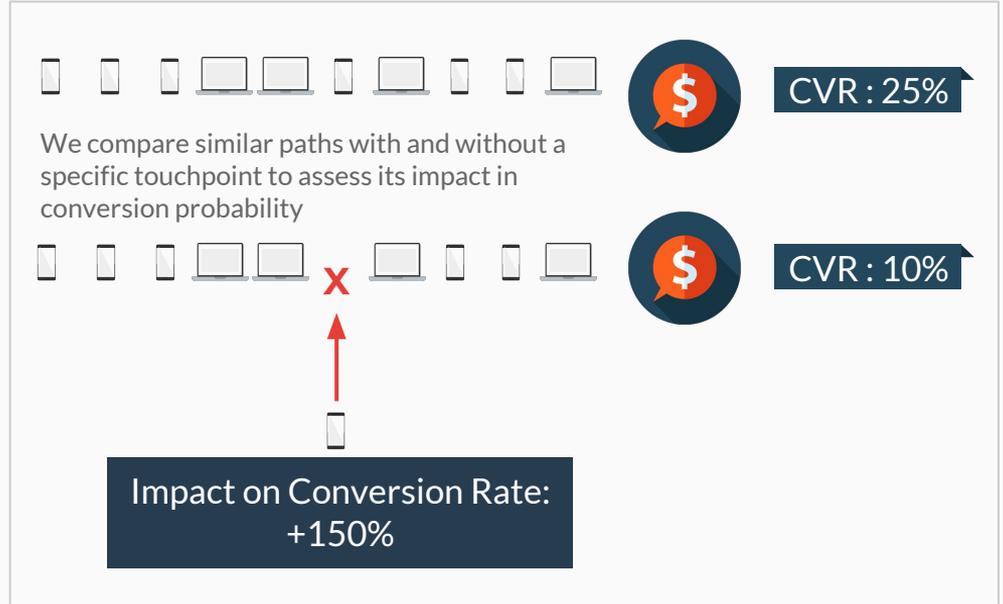
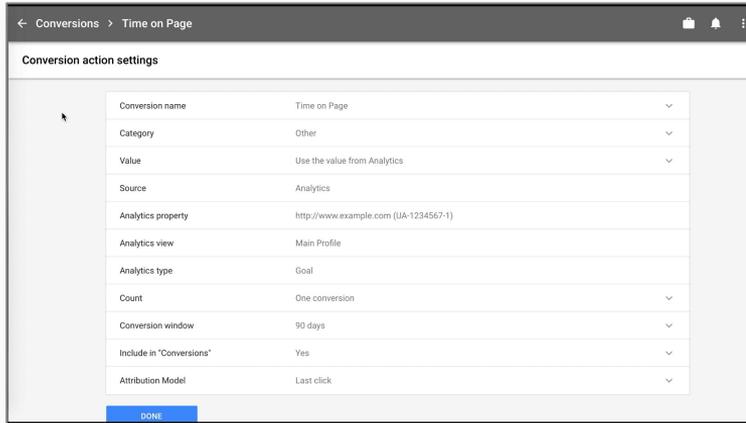
Data Driven Attribution

Our data driven model gives credit based on the actual impact of a touch point



The solution: A Data Driven Model

A data driven model uses all your paths to calculate the actual impact of every click & attributes value accordingly while using machine learning for continuous improvement. Therefore it is highly customized and dynamic.



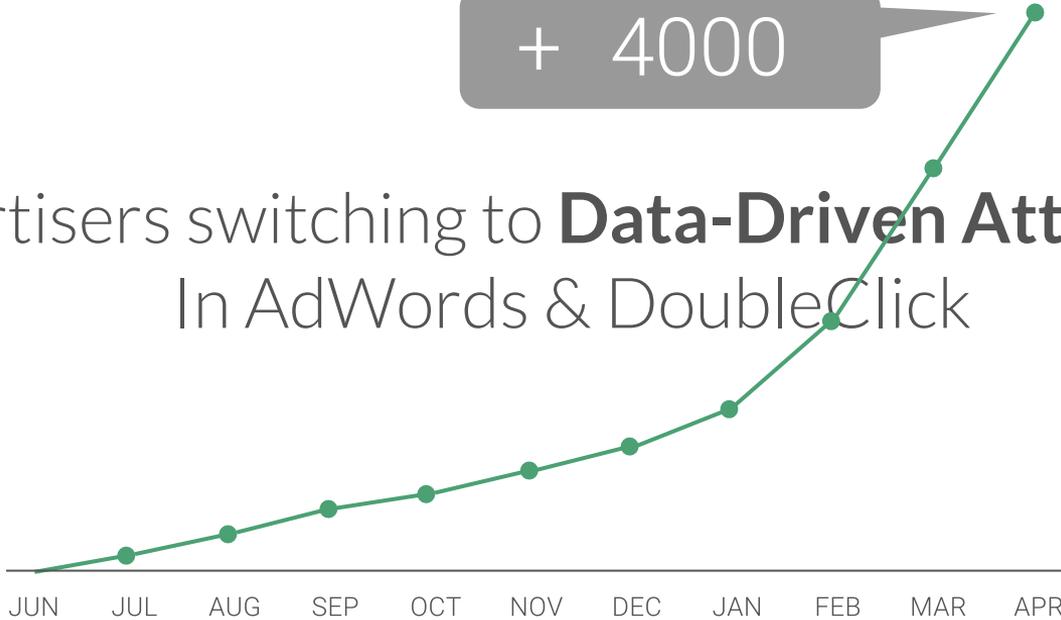
Free

Enterprise

Actionable

+ 4000

Advertisers switching to **Data-Driven Attribution**
In AdWords & DoubleClick



+5% Conversions

at same cost





ЦИТРУС
КЛУБ

+32% Conversions

-48% CPA



+49% Conversions

-60% CPA



+56% Conversions

-12% CPA



+88% Conversions

-12% CPA

+5% Conversions
at same cost

More than **25** Cases Studies on **think**
with Google



Medpex Case

Medpex improves search performance via Smart Bidding, Cross-Device Integration and Data Driven Attribution



Goal

Increase marketing efficiency and decrease effort of managing AdWords campaigns.



Approach

AdWords Smart bidding using target CPA in combination with Data Driven Attribution.



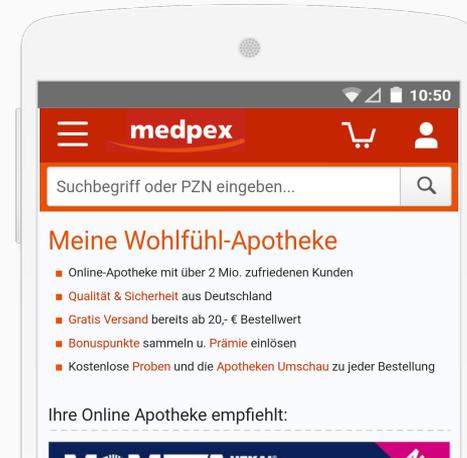
Results

29% more conversions at **37%** higher ROAS
+95% mobile conversions
 Mobile ROAS increased by **148%**

“An algorithm is better equipped than any manual optimization to react to dynamic changes such as prices changes of competitors or delivery bottlenecks.”

Frank Müller

Chief Marketing Officer
 medpex



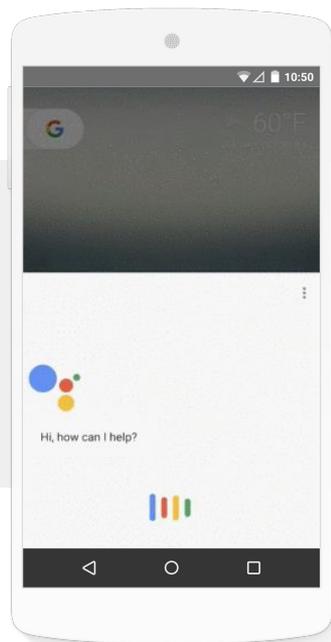
Google



Where are *we* heading ?

Holiday in Barcelona...





Mortgages November 14, 2017

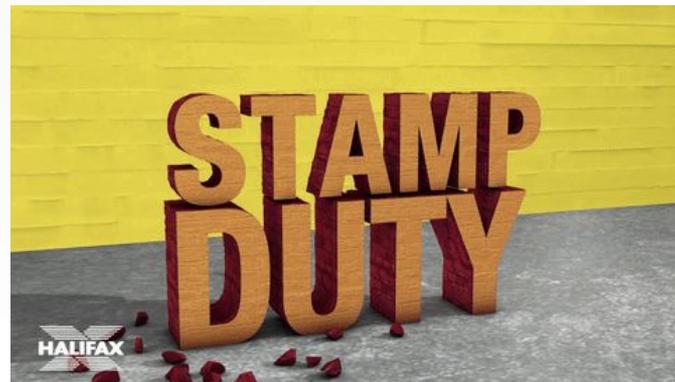
Halifax and Google unite to bust property jargon

Be the first to comment



“Buying a home is usually the biggest financial commitment we make in a lifetime, and we know that mortgage and property market terms can feel difficult to grasp - with many people turning to Google for help...this felt like the perfect opportunity to join forces with Google to help people navigate the home buying process more confidently”

Tim Male, Head of Innovation and Communications at Halifax



Our vision



Analytics Intelligence

Using **machine learning** to help customers **understand and act** on their data

Surface
actionable
insights

Democratize
data

Detect + predict
user behavior

Google is bringing natural language interaction to the enterprise...



*Semantic intelligence-powered voice interfaces are the **next logical step** in how we interact with technology*

Do you struggle with



22

Conversions



Google Analytics 360 Suite

10

Conversions



28

Conversions

Your CRM

21

Conversions



Our vision



21

Conversions



Google Analytics 360 Suite

21

Conversions



21

Conversions

Your CRM

21

Conversions

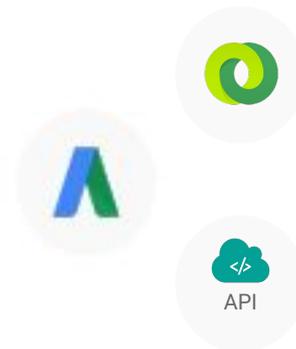
Designed for action



Data in
Leveraging
existing tags



**Analyze &
Attribute**
Data Driven
Cross Device
Cross Channel
Impression based



Data out
Seamless
auto--bidding
integration

THANK YOU!



MATZ@GOOGLE.COM