

VALUE ADDED ADVERTISING

HCI Industry Project for SKIDATA **Final Presentation**

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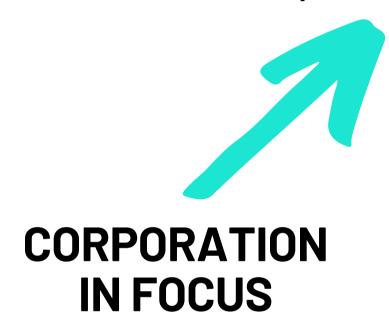


WHAT DOES THAT EVEN MEAN?



Raise brand awareness, market specific products, transport a corporate identity, sell more

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Raise brand awareness, market specific products, transport a corporate identity, sell more



Add value that goes beyond traditional advertising goals to benefit both the corporation as well as the individual



THE PRODUCT(S)

their application context and how advertising currently looks like



HOW IS ADVERTISING DONE CURRENTLY WITH THESE MACHINES?







STATIC ADVERTISING

A portion of the screen is reserved for ads (information)



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CUSTOMER-MANAGED ADVERTISING

SKIDATAs customers select what is displayed



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CUSTOMER-MANAGED ADVERTISING

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WHAT & HOW SHOULD WE IMPROVE?

OUR GOAL

& the path towards it



DEMONSTRATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING

for SKIDATA customers

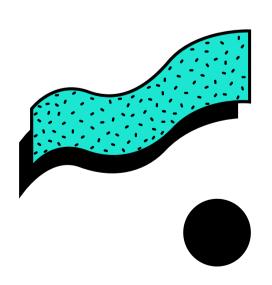
DEMONSTIATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING

for SKIDATA customers

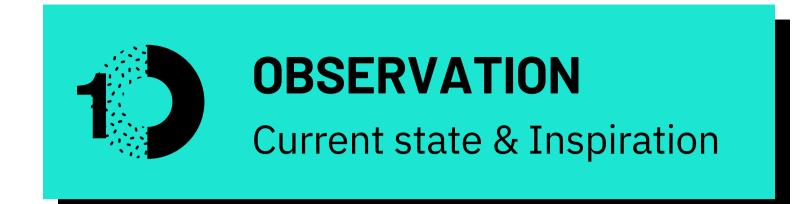
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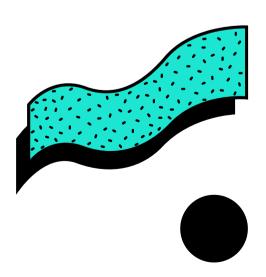
for SKIDATA customers customers

THREE STEPS TO ADD VALUE



THREESTEPS TO ADD VALUE



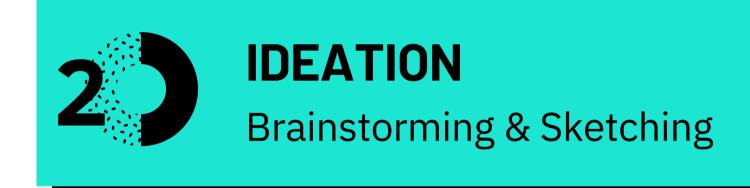


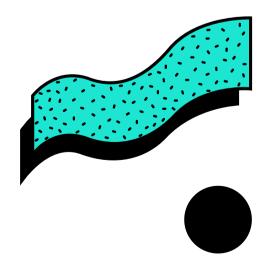
THREE STEPS TO **ADD VALUE**











THREE STEPS TO ADD VALUE

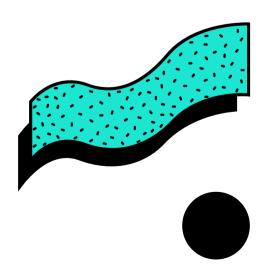


OBSERVATION

Current state & Inspiration



IDEATION





DELIVERABLES FOR EACH STEP

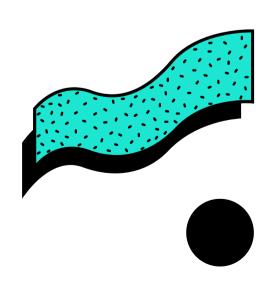


OBSERVATION

Current state & Inspiration



IDEATION





Identifying competitor strategies, best practices and scientific themes





OBSERVATION

Current state & Inspiration

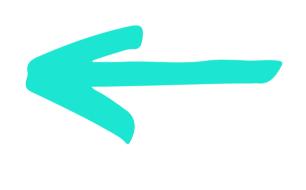


IDEATION





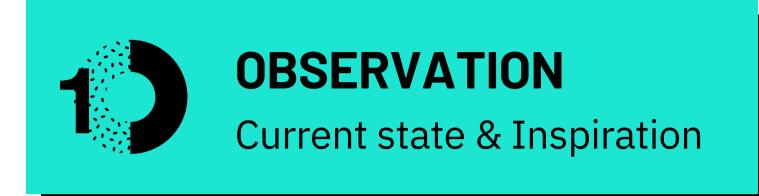
Create concepts on how to combine the research results with SKIDATA products





IDEATION



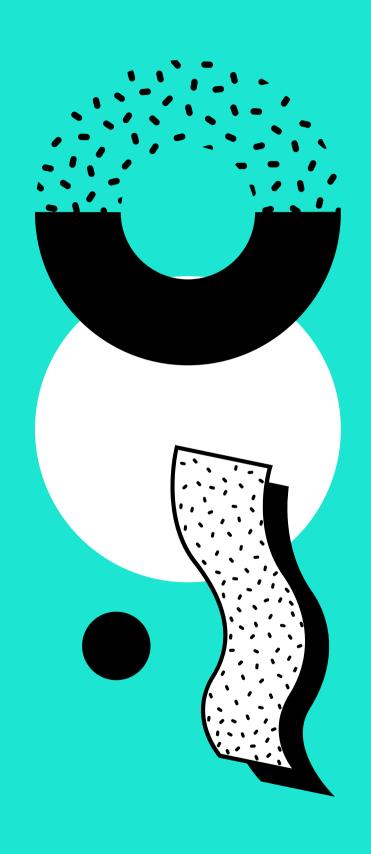




Prototypes/Storyboards to visualize our concepts







WHAT YOU AREHEREFOR



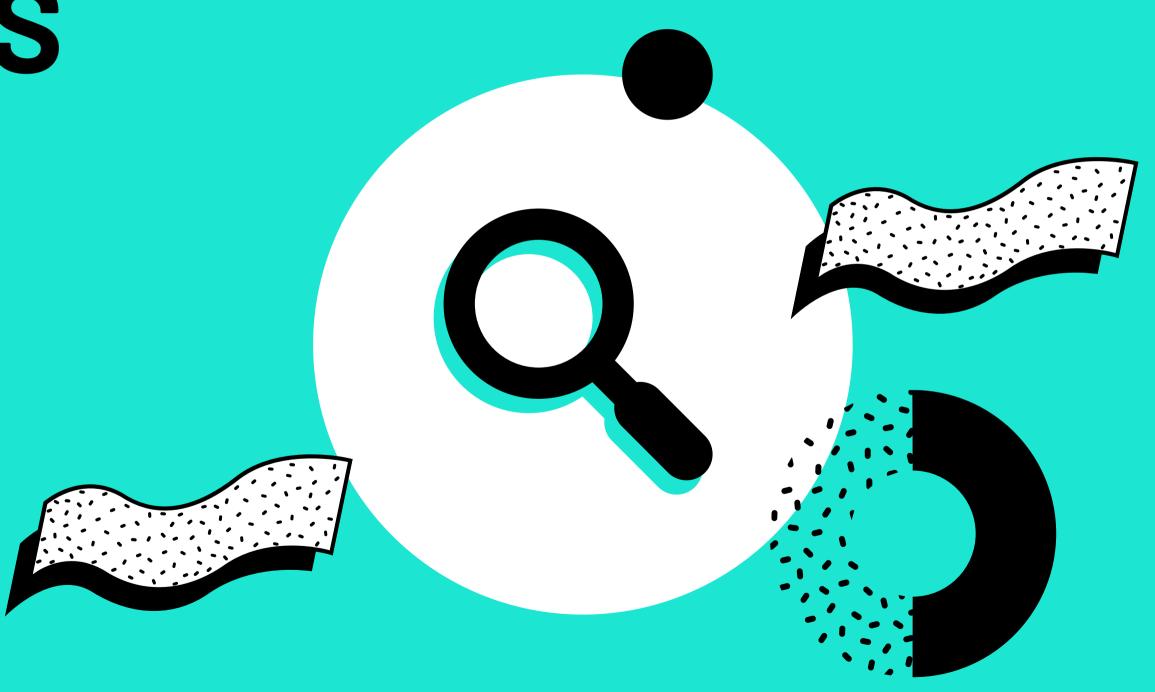


WHAT YOU ARE HEREFOR

These are our results.



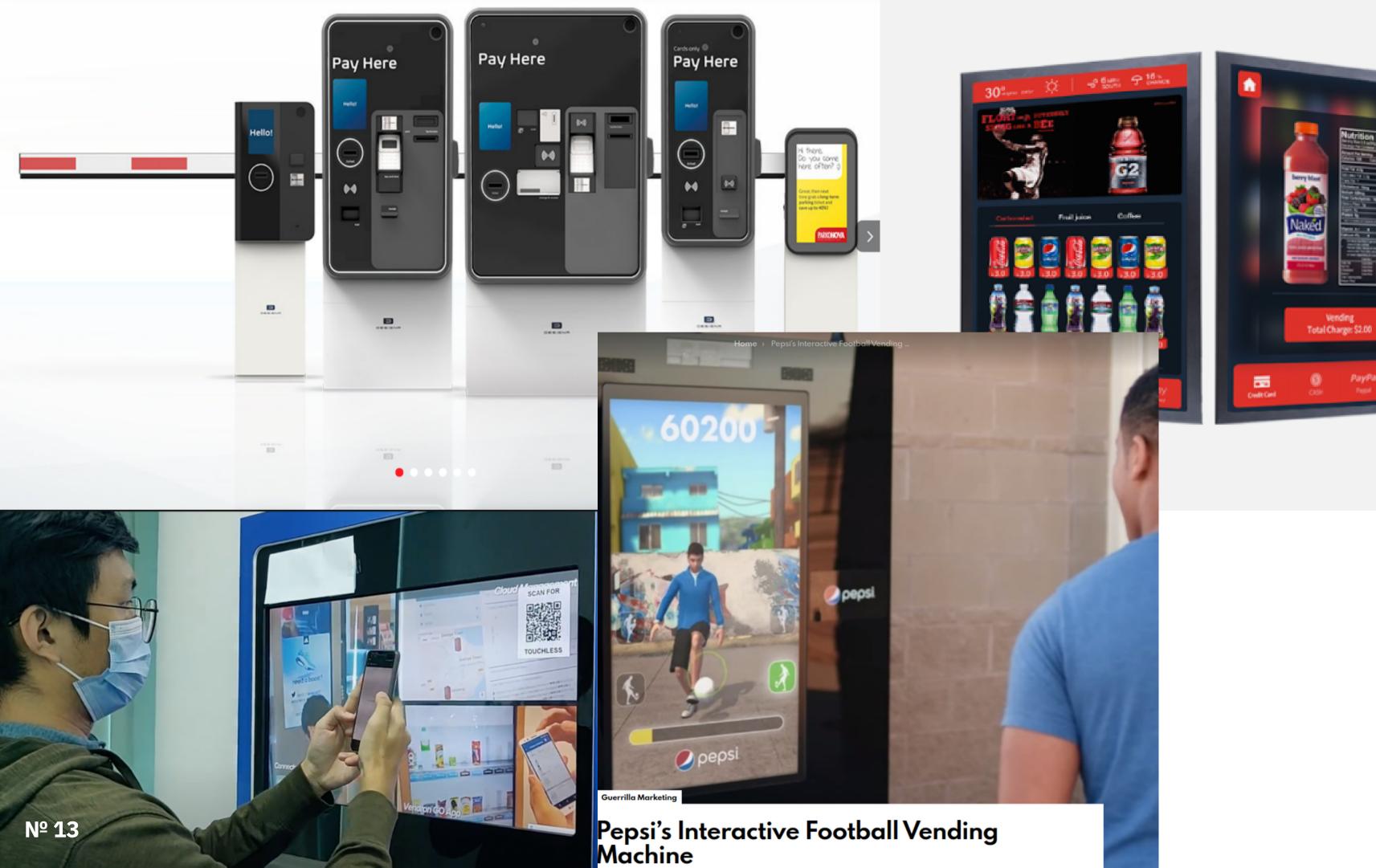
RESEARCH RESULTS



Deliverables

DIRECT COMPETITOR RESEARCH INDIRECT COMPETITOR RESEARCH LITERATURE RESEARCH

DIRECT COMPETITOR RESEARCH



INDIRECT COMPETITOR RESEARCH

Showing progress in video ads

Leverage different emotions

Actionable Ads Add value through discounts

Allow users to resize/hide ads

Show ads during waiting times

Ads max. 20% canvas size

SCIENTIFIC RESEARCH

KEYWORD BASED SEARCH

Contextual Advertising

Future Advertising

Advertising Trends

Vending Machine Advertising

Physical Advertising

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Contextual Advertising

Future Advertising

Advertising Trends

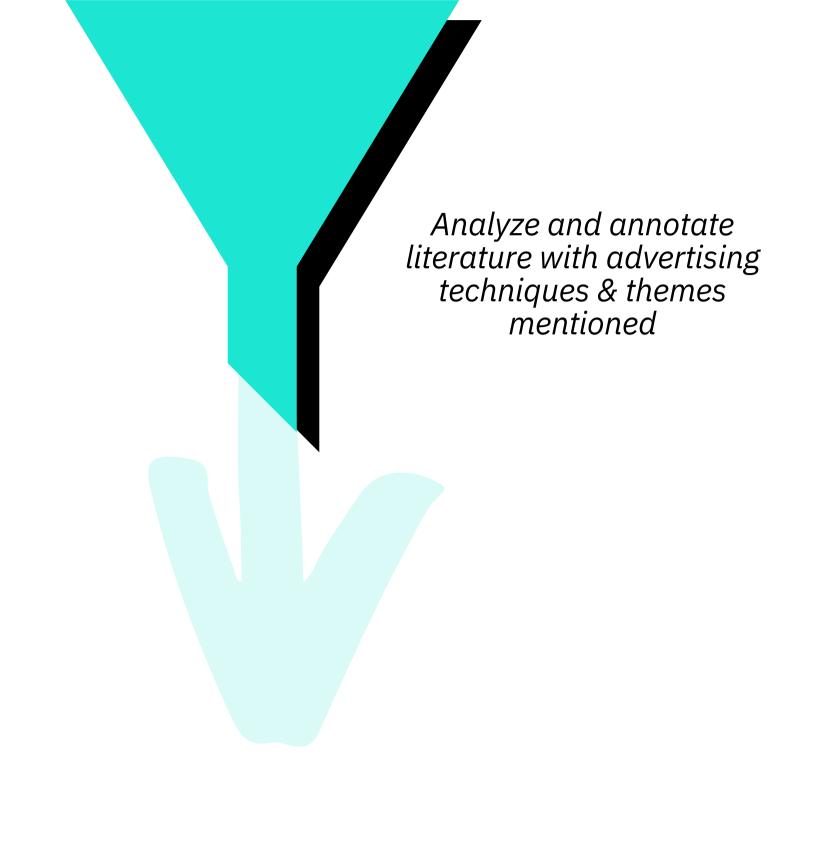
Vending Machine Advertising

Physical Advertising

Since 2016

Scientifically relevant papers(citations, journals)

Possible application in vending machine (screens)



Analyze and annotate literature with advertising techniques & themes mentioned

IDENTIFIED THEMES

Contextual Advertising

Connected Advertising

In-Media Advertising

Semantic Advertising

THE CONCEPTS





Nº 1 UTILIZING WAITING TIME



Nº 1 UTILIZING WAITING TIME

Nº 2 EMOTION RECOGNITION



Nº 1 UTILIZING WAITING TIME

№ 2 EMOTION RECOGNITION

Nº 3 GAMIFIED ADVERTISING



Nº 1 UTILIZING WAITING TIME

№ 2 EMOTION RECOGNITION

№ 3 GAMIFIED ADVERTISING

Nº 4 CONNECTED ADVERTISING



Nº 1 UTILIZING WAITING TIME

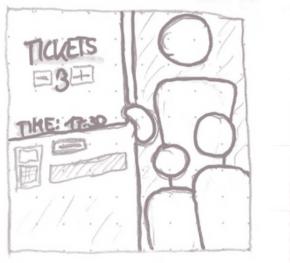
№ 2 EMOTION RECOGNITION

№ 3 GAMIFIED ADVERTISING

Nº 4 CONNECTED ADVERTISING

№ 5 SEMANTIC ADVERTISING











Nº 1 UTILIZING WAITING TIME





No 3 GAMIFIED ADVERTISING









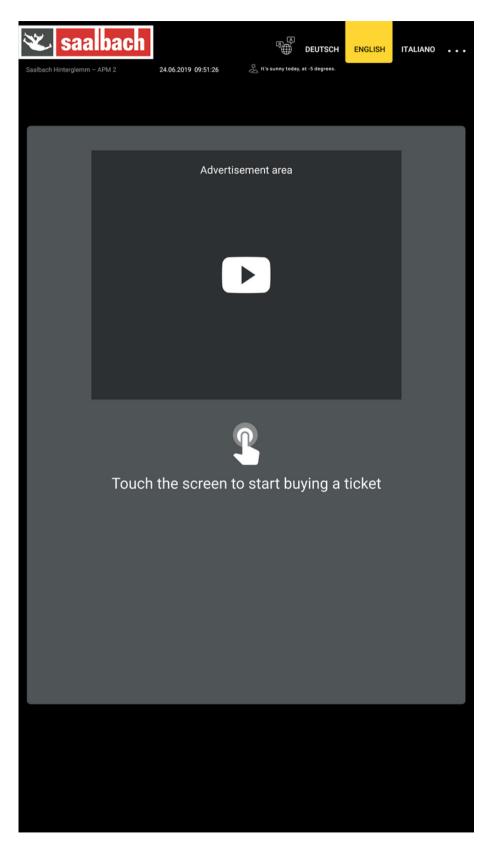


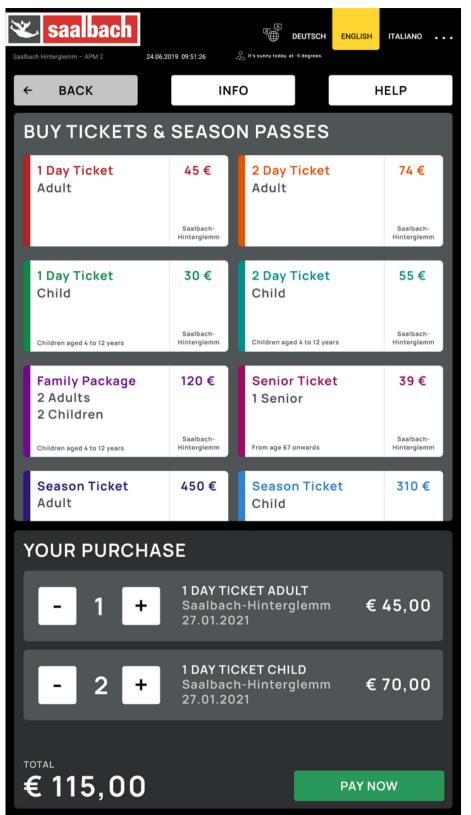


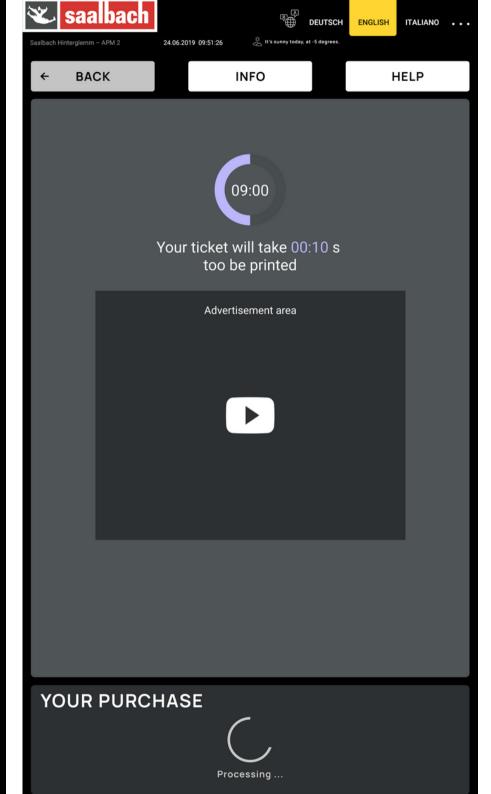


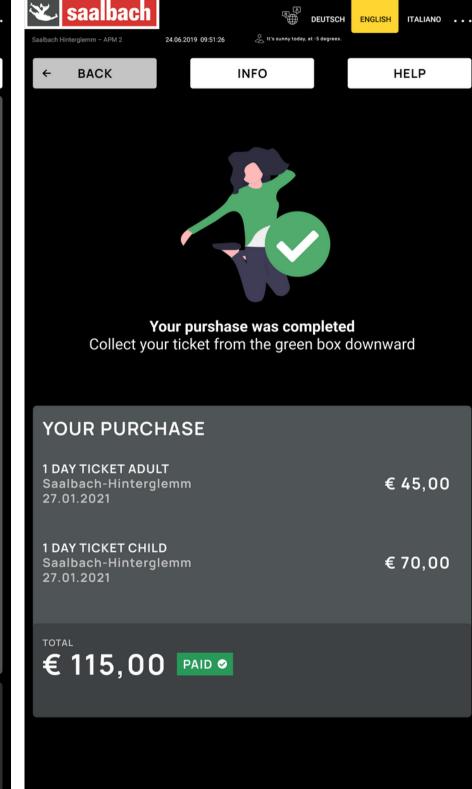
ADVERTISING STORY № 1

UTILIZING WAITING TIMES









for SKIDATA customers

DEMONSTIATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING

Now the AD has a more noticeable display, it takes the full screen, it's displayed at a point when the user is not distracted. When no user is interacting with the machine it will always be displayed as a default splash screen, so the user will anyway see the AD until he clicks something on the screen to start buying a ticket.

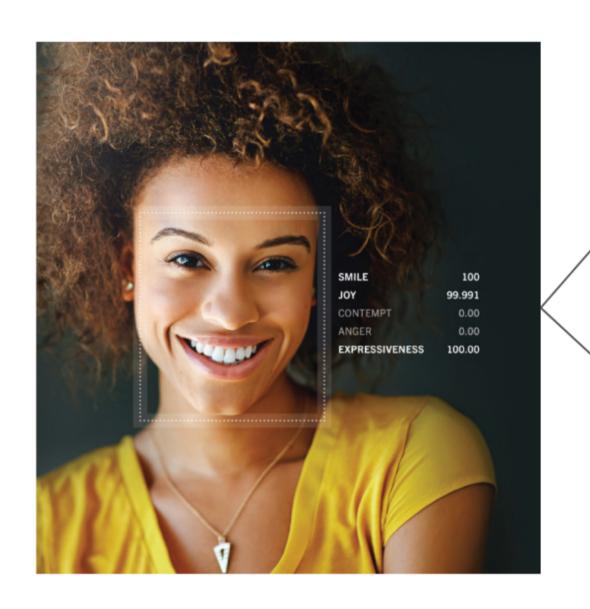
DEMONSTRATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING

for SKIDATA customers customers

It doesn't disrupt the user from doing his main user task, Users can access the screen functionalities in full screen giving them a clearer visibility.

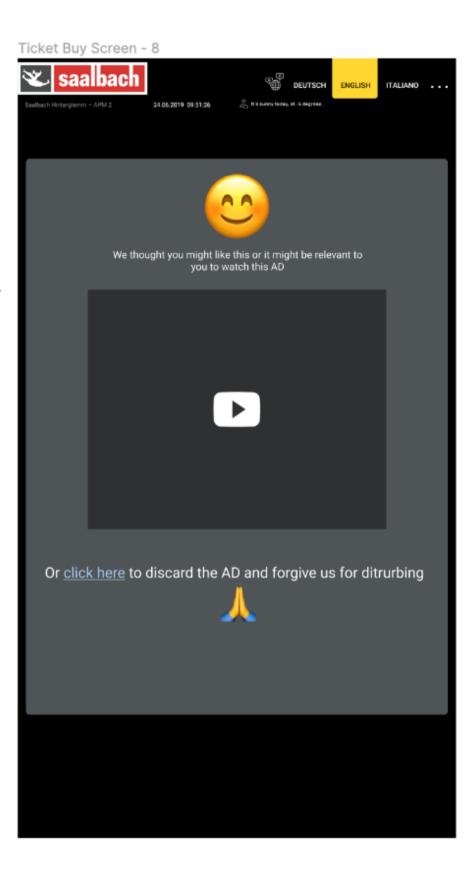
ADVERTISING STORY № 2

EMOTION RECOGNITION



If a +ve facial expressions detected — Show the AD

If a -ve facial expressions detected Don't show



for SKIDATA customers

DEMONSTICATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING

According to the indirect competitor research, ADs coupled with emotions leads better engagement, and when the user in a good mood he/she is more likely to give the AD more attention. Especially if the AD has a Call to Action to buy something, no user would take a buying decision under a negative emotion. Avoiding user's anger from the AD is a big added value to the advertisers

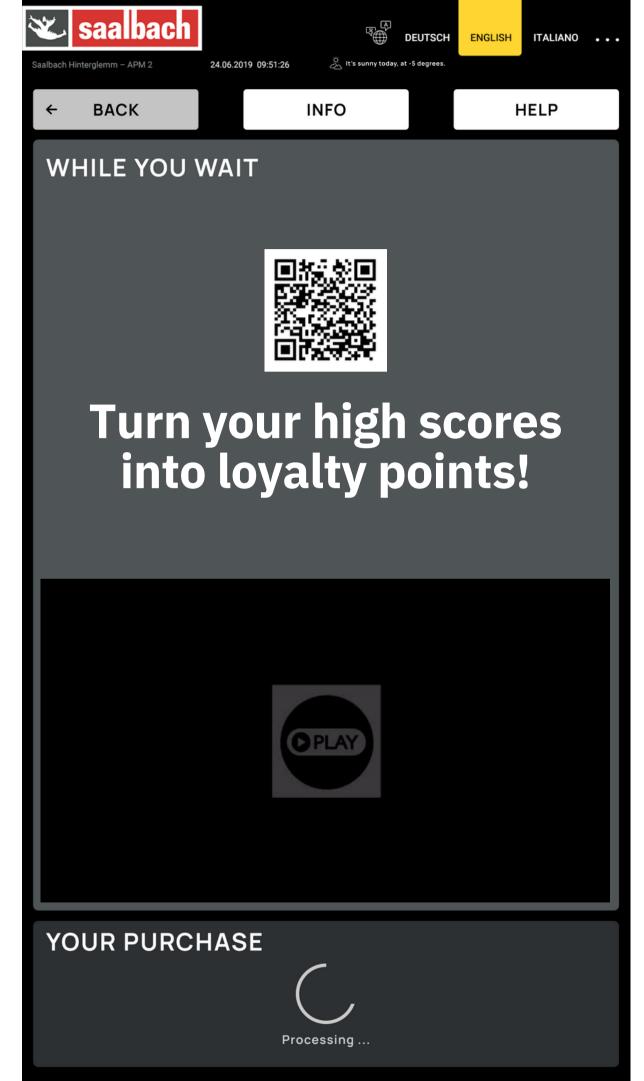
DEMONSTRATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING

for SKIDATA customers customers

ADs are displayed only if the user is in a good mood, and not stressed. The message displayed with the AD with an emoji that mirror the user emotion might be a nice gesture for users.

ADVERTISING STORY № 3

GAMIFIED ADVERTISING



for SKIDATA customers

DEMONSTICATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING



INCREASED USER ENGAGEMENT

Let the user playfully explore something during their waiting time



INCREASED USER ENGAGEMENT

Let the user playfully explore something during their waiting time



CONNECT GAME SCORES TO LOYALTY POINTS

SKIDATA's customers can give loyalty points to people with certain highscores



INCREASED USER ENGAGEMENT

Let the user playfully explore something during their waiting time



CONNECT GAME SCORES TO LOYALTY POINTS

SKIDATA's customers can give loyalty points to people with certain highscores



INCREASED BRAND CONNECTION

Brand themed games can increase their significance for the user

DEMONSTRATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING

for SKIDATA customers customers



MAKING THE WAITING TIME JOYFUL

Do not look at static ads, but have a playful experience instead



MAKING THE WAITING TIME JOYFUL

Do not look at static ads, but have a playful experience instead



EARNING LOYALTY POINTS

Users are motivated to earn points of the respective loyalty system



MAKING THE WAITING TIME JOYFUL

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EARN REAL WORLD BENEFITS

For high scores real world benefits could be given

ADVERTISING STORY № 4

CONNECTED ADVERTISING

CREATE AN ADVERTISING JOURNEY OVER MULTIPLE DEVICES

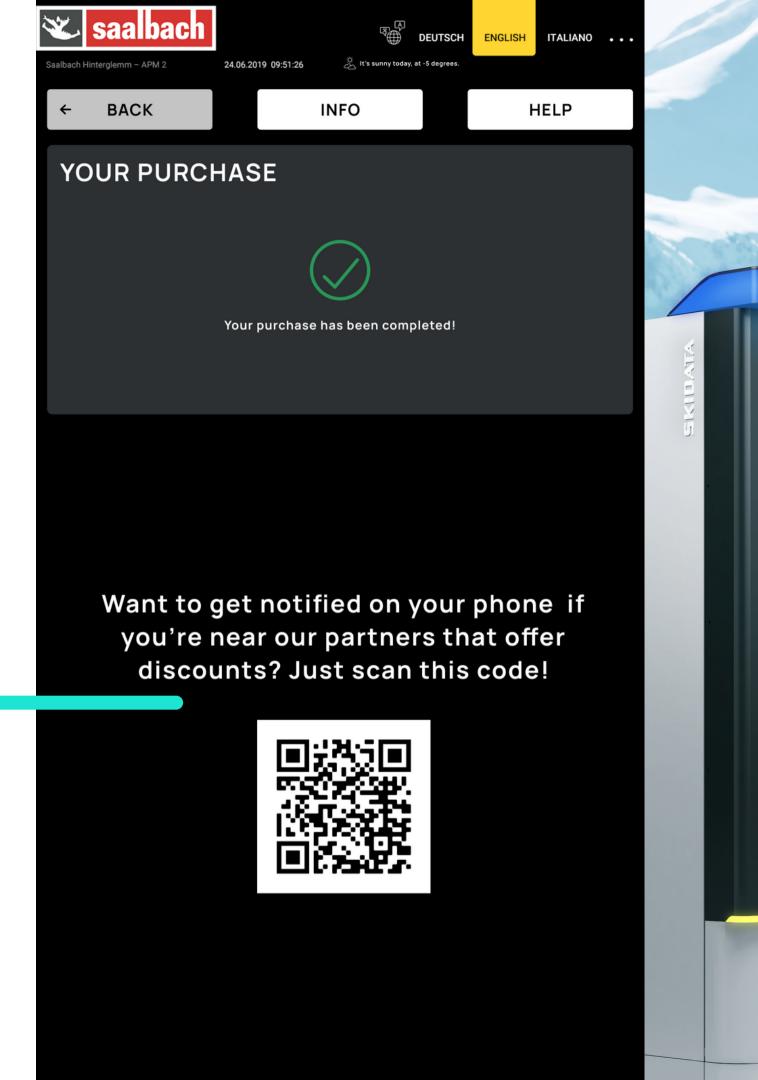






1 STARTING THE JOURNEY

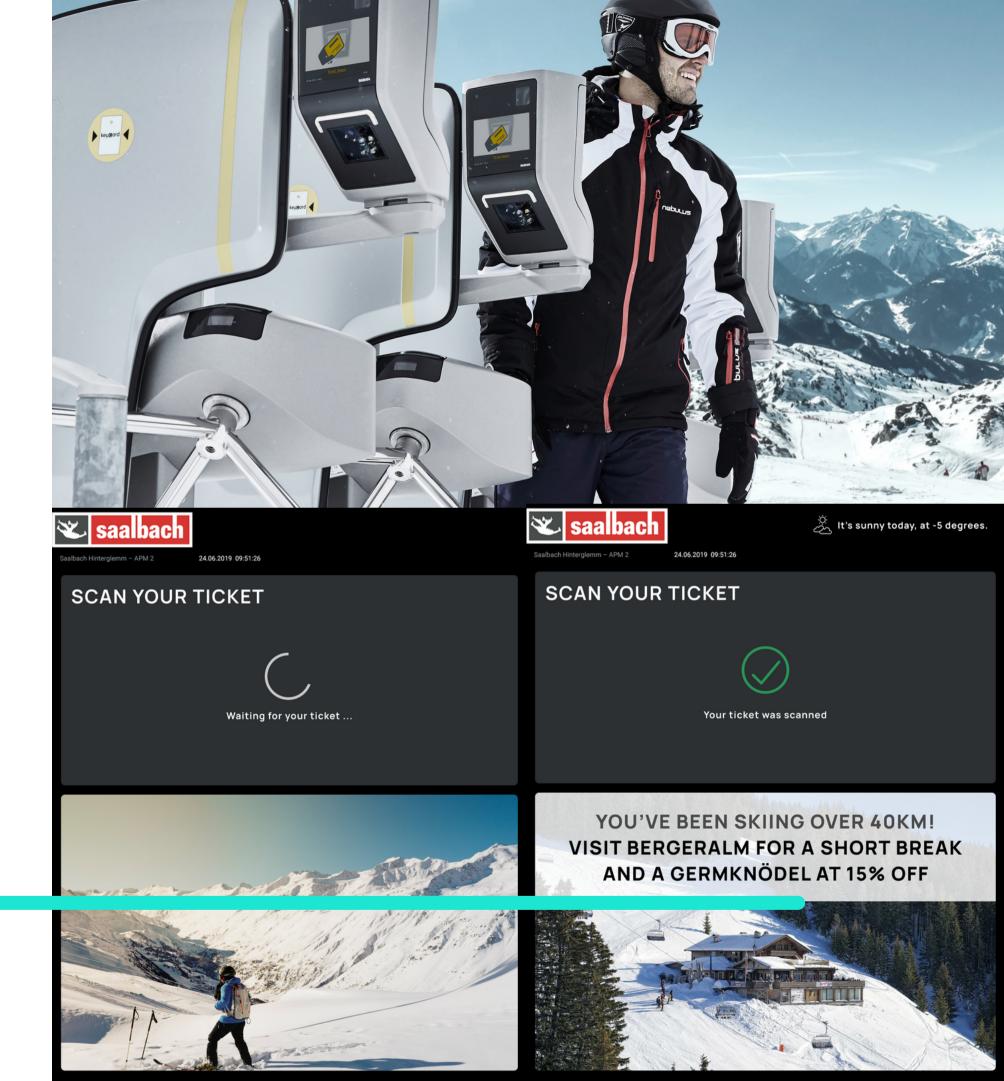
Start tracking the user over multiple devices



SKIDATA

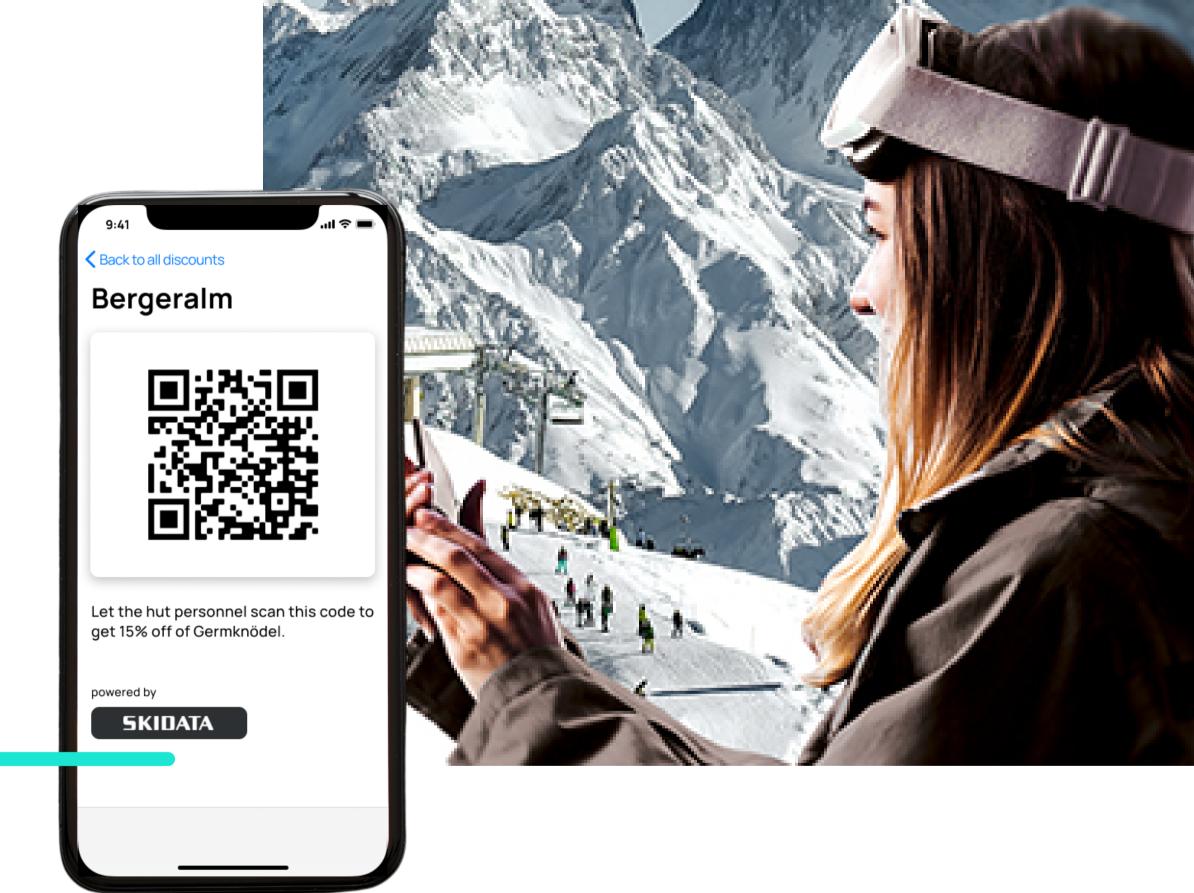
2 ANALYZE A POINT IN THE JOURNEY

Offer discounts based on the user's journey



3 CONVERSION

Let users use their discounts on their devices



for SKIDATA customers

DEMONSTIATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING



INCREASE TOUCH POINTS

Reach the user at multiple locations/devices, increasing possibilities to show ads



INCREASE TOUCH POINTS

Reach the user at multiple locations/devices, increasing possibilities to show ads



GET MORE INFORMATION ABOUT THE USER

Know which users are more susceptible to which ads and when in the journey



INCREASE TOUCH POINTS

Reach the user at multiple locations/devices, increasing possibilities to show ads



GET MORE INFORMATION ABOUT THE USER

Know which users are more susceptible to which ads and when in the journey



INCREASE INTERACTION WITH PARTNERS

Of a pool of partners the most relevant is selected as an advertising

DEMONSTRATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING

for SKIDATA customers customers



INCREASED RELEVANCY

Utilizing contextual data we can show more valuable ads for the current situation



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SHOW DISCOUNTS WHERE THEY CAN BE REDEEMED

Ads are shown at the relevant locations, enabling users not to miss discounts



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SEE STATUS UPDATES IN THE JOURNEY

See where you are, how much you've skied and more, on all devices

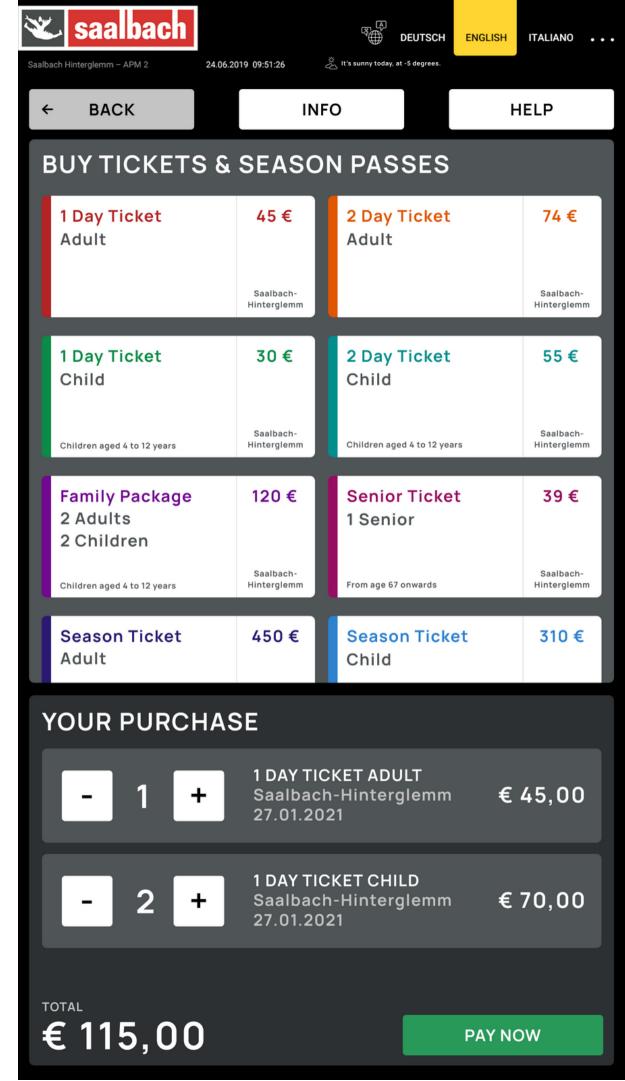
ADVERTISING STORY № 5

SEMANTIC ADVERTISING

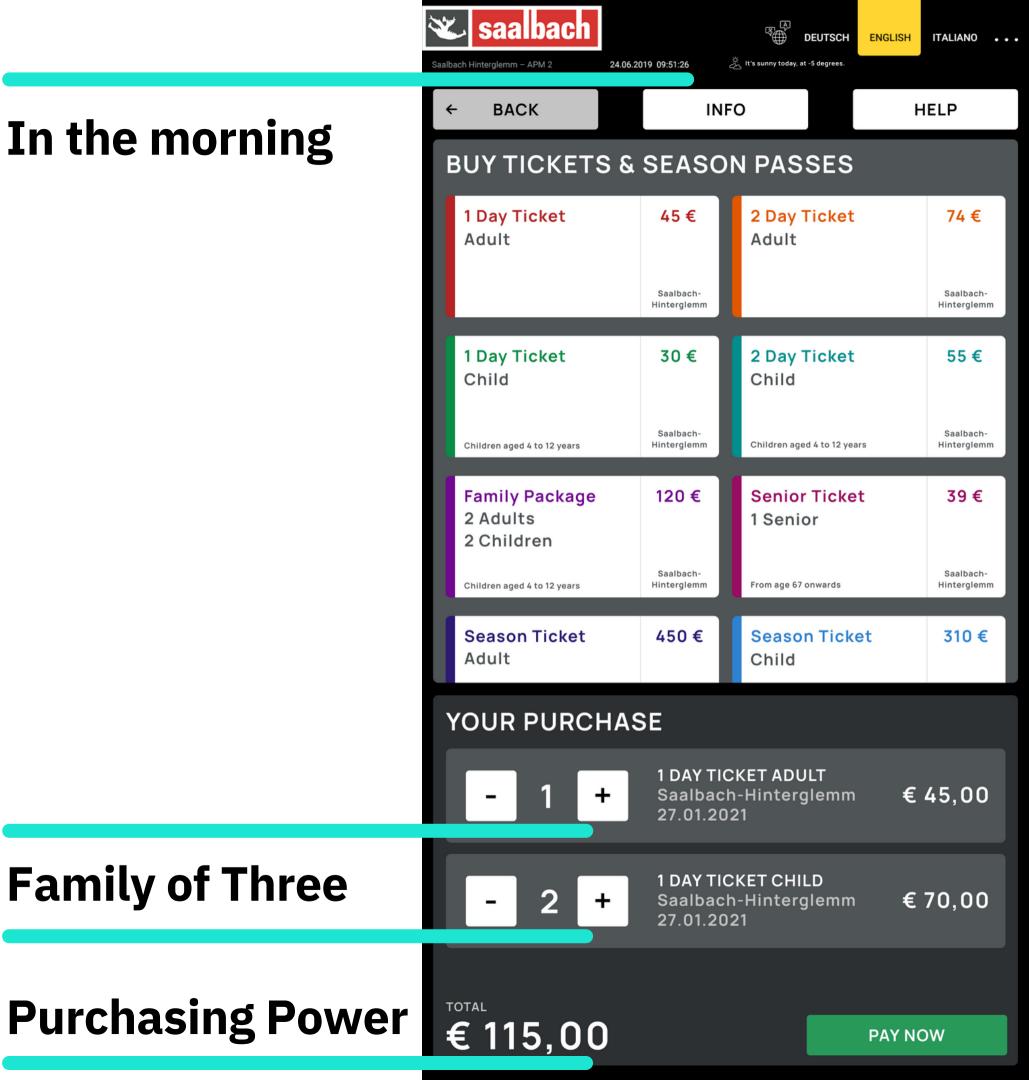




2



2 INFORMATION TO LEVERAGE



SHOW A PERSONALIZED AD







BACK

INFO

HELP

WHILE YOU WAIT



Get family breakfast at 10% off!



YOUR PURCHASE



for SKIDATA customers

DEMONSTICATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING



By utilizing semantic information, we can serve more relevant ads



By utilizing semantic information, we can serve more relevant ads



USES EXISTING TECHNOLOGY

No additional hardware (and therefore costs) needed



By utilizing semantic information, we can serve more relevant ads



USES EXISTING TECHNOLOGY

No additional hardware (and therefore costs) needed



USER DATA

No need to store user data, semantic analysis can happen on machine

DEMONSTRATE WAYS TO ADD VALUE TO SKIDATAS IN-PRODUCT ADVERTISING

for SKIDATA customers customers



Users see ads that are semantically relevant to their current situation



Users see ads that are semantically relevant to their current situation



NON INTRUSIVE ADS

In combination with story 1, we only show ads when appropriate



Users see ads that are semantically relevant to their current situation



NON INTRUSIVE ADS

In combination with story 1, we only show ads when appropriate

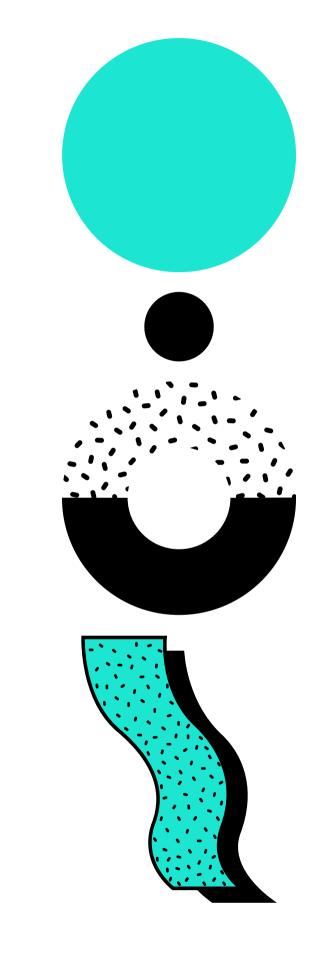


PRIVACY

No data has to be stored or tracked, everything happens on the machine



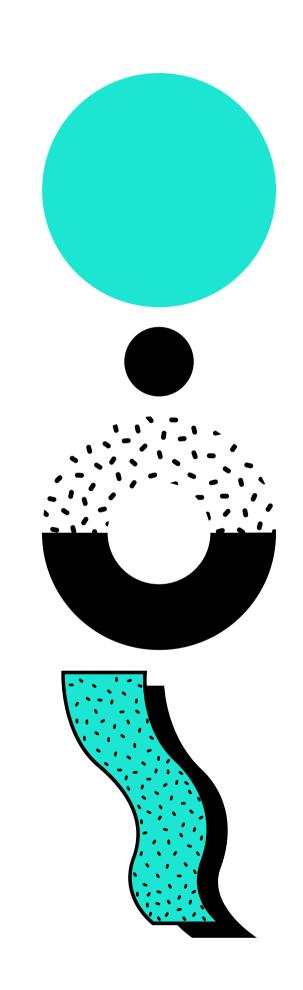
THANK YOU.





THANK YOU.

Any questions?



BACKUP



* Paper * Contextual advertising - Distraction effects of contextual advertising + Key Message: Low relevancy ads decrease quality of adjacent content + Themes: Distraction, Relevancy of Ads MoCa - Privacy-preserving Contextual Advrtising + Key Message: Personalized ads without privacy infringement, based on semantic text and environment data + Themes: Personalization, Semantics, Environment Semantic Mathing of Queries to Ads + Key Message: Incorporation of semantics together with link clicks, dwell time, ... increases ad relevancy + Themes: Semantics, Leverage contextual information like dwell time (e.g. somebody who needs longer to finish process ,...) In-Image ADvertising + Key Message: Leverage Image Data to serve relevant ads in-image + Themes: In-Image * Future advertising Conceptualizing the Evolution and Future of Advertising + Key Message: Advertising has become a two-way conversation, leverage that instead of going back to one-way + Themes: Conversational Advertising Advertising in the Fourth Industrial Revolution + Key Message: Trends for 2020 onwards are the themes below + Themes: Five-Sensual Advertising, Mobile advertising, Viral advertising, Attention-Capture Advertising, Gamified Advertising Advancing Computational Advertising + Key Message: Future of computational advertising is in multi-personalization targeting (Cars not only in car magazines, but bas + Themes: Advertising Journey, Contextual semantics Native Advertising and the Future of Mass Communication + Key Message: Multiple trends are laid out concerning native advertising and sponsored content + Themes: Paid Content, Credibility of paid content Digital advertising: Present and future prospects + Key Message: Big Data and AI are important for the future of advertising Themes: AI * Advertising Trends Emerging Trends and Issues in Digital ADvertising + Key Message: Emerging Trends and Issues in Advertising + Themes: The end of banner advertising, Contextual Advertising, In-Line Advertising, Paid Content Trend Report Advertising + Key Message: Trends in Advertising + Themes: Paid Content (Issues with unlabelled paid content) Vending machine advertising Location-aware advertising to vending machine users + Key Message: Connecting multiple parking meters and their respective information to a vending machine + Themes: Contextual advertising, Advertising Journey, Connection of physical contexts Physical parking advertising + Key message: Patent for location-aware advertising and added-value pop-ups for parking vending machines + Themes: Contextual Advertising, Advertising Journey * Physical advertising

- Google Patent for location-aware advertising

+ Key Message: Patent for location aware advertising