



Human Experience: Why Attention AI Needs Human Input

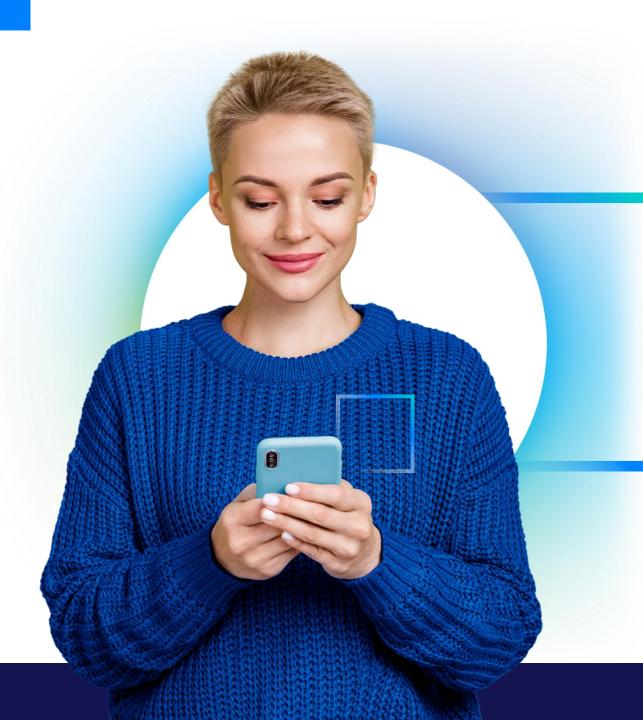


Dr. Matthias Rothensee eye square



Stefan Schoenherr eye square





Human Experience Research

Human Experience

Why attention Al needs human input

Dr. Matthias Rothensee Stefan Schoenherr eye square GmbH



Attention is at the core of marketing decisions of today



The race for attention is one of the defining challenges of our time for modern marketers.

How to capture the attention of viewers amid myriad distractions is something that keeps many awake at night.

KANTAR



Ted Prince Chief Product Officer Kantar

Many companies measure attention to ads















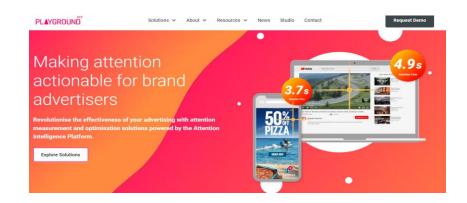


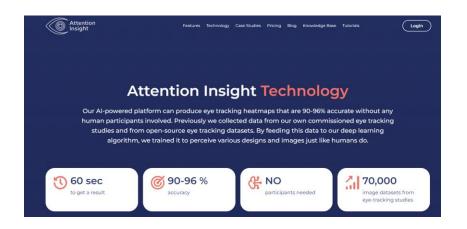


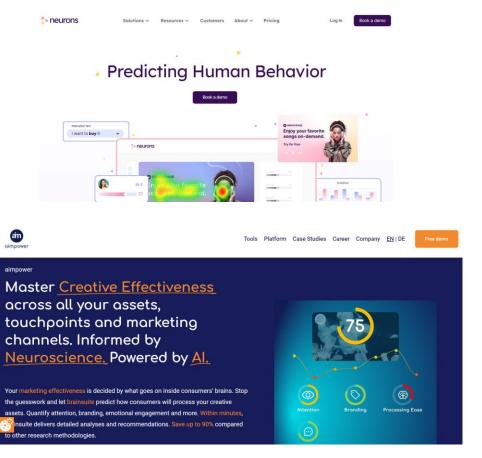




More recently companies claim that they can predict human attention, getting rid of costly measurement







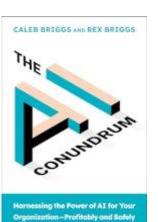
But, as we learned today, there's The AI Conundrum



[...] Al can recognize a pattern from any set of data it is given, which is what makes it such an extraordinarily powerful tool. But because not all patterns are authentic or reliable, Al's pattern-finding superpower can lead to spurious patterns—and to disastrous results for business and government entities that rely on them. Hence the conundrum at the heart of Al: its greatest strength can also be its greatest weakness.

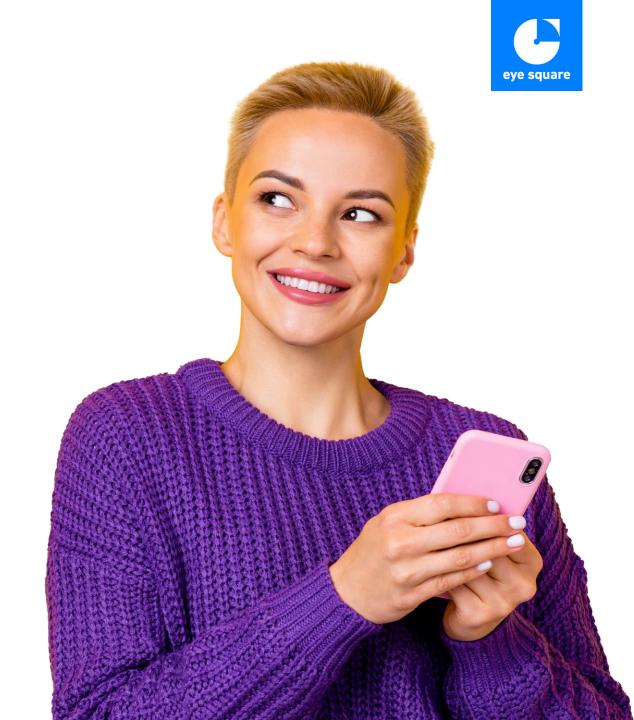






The state of **Attention Al**

- where attention AI is already good at predicting and where it needs to learn
- attention trends and attention in the context of media usage



Case study: Attention AI vs. real humans



Αl

- Typical Attention Al
- "Predict" tool by Neurons Inc.



Human

- 30 real humans
- Mix of different ages, genders, demographics
- Precision eye tracking: Tobii
- Eye square media labs



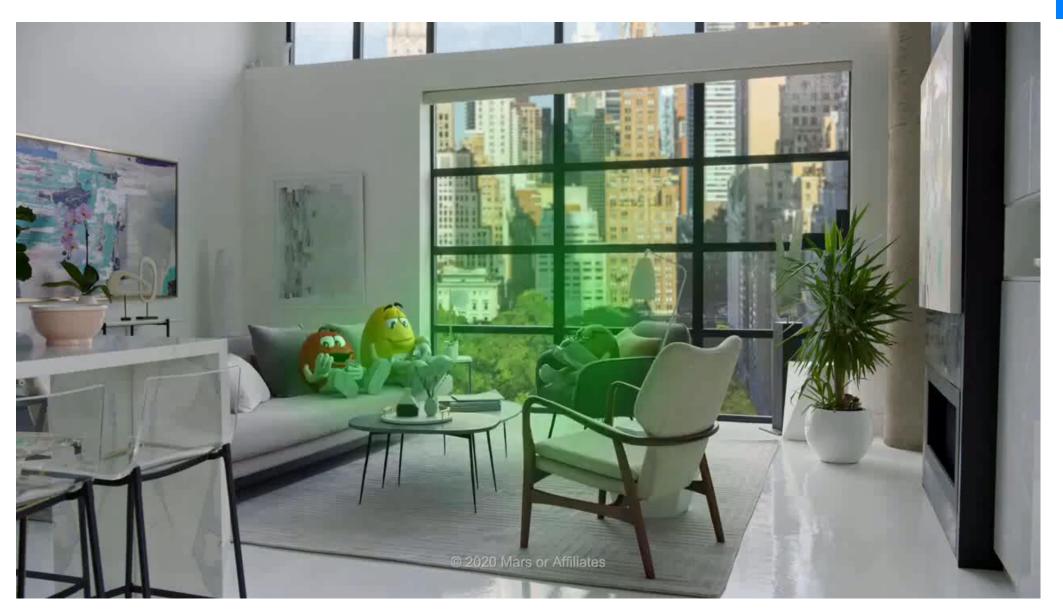


Eye tracking video of an M&M's spot.

Make a guess:

Human or Al?





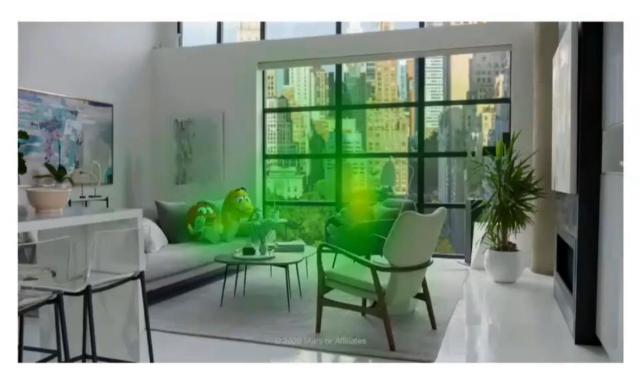








Al Human



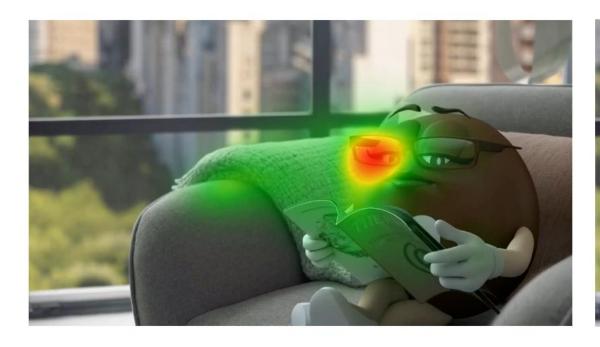


What AI is good at



Basic face and eye images

Al Human





What Al is good at



High contrast scenes

Al





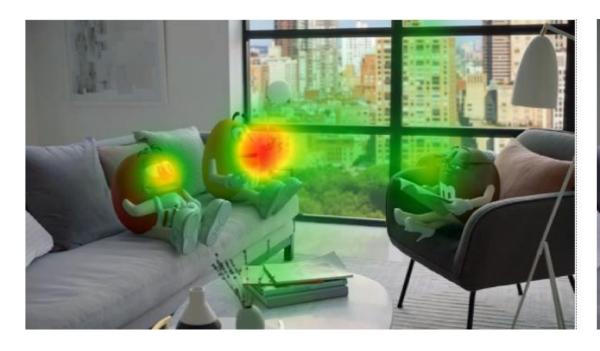


What AI is good at



Slow pace of scene cuts

Al Human







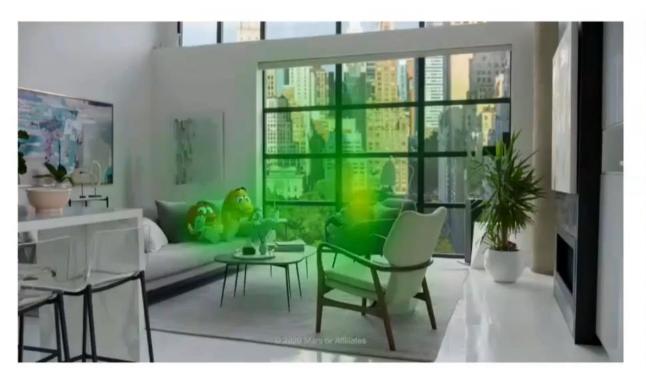
Where Al prediction makes mistakes





Humans follow gazes, they look where the action is, Al doesn't

Al Human





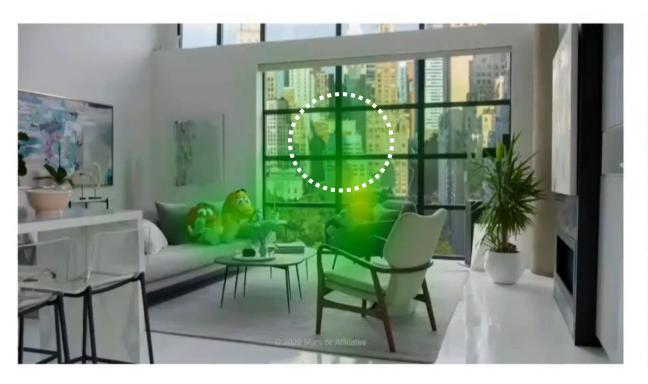
Movement



Humans follow the action, Al shows inertia

Al

Human





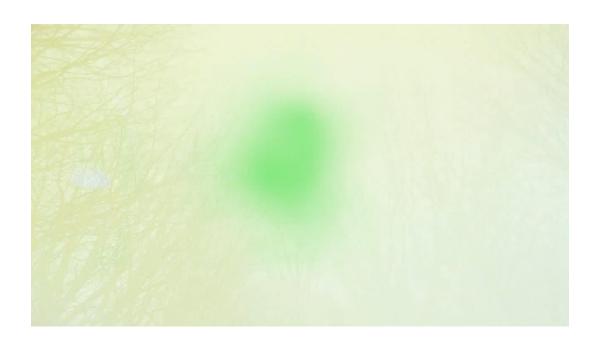
Dark spots

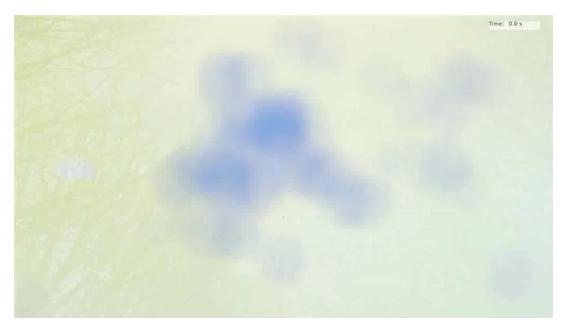


with low contrast and a lot of movement

Al

Human





Where is the runner?



Al is obsessed with contrast, humans aren't

Al Human





Al is obsessed with ears



Al decomposes human faces

Al



Human

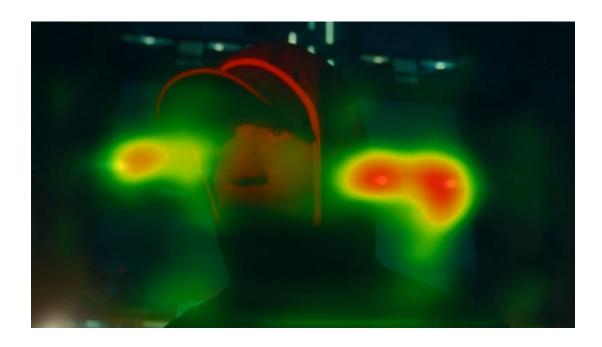


AI hallucinates



Al underestimates face effects

Al Human





Complex visual layouts



Complex pack shots are misinterpreted

Al

Human







eye square

Humans love dogs, Al disregards them

Al



Human



More dog effects









Attention AI has to improve



Gaze Cueing



Movement



Contrast



Complexity



Non-Humanity



Static Attention Al

VS.

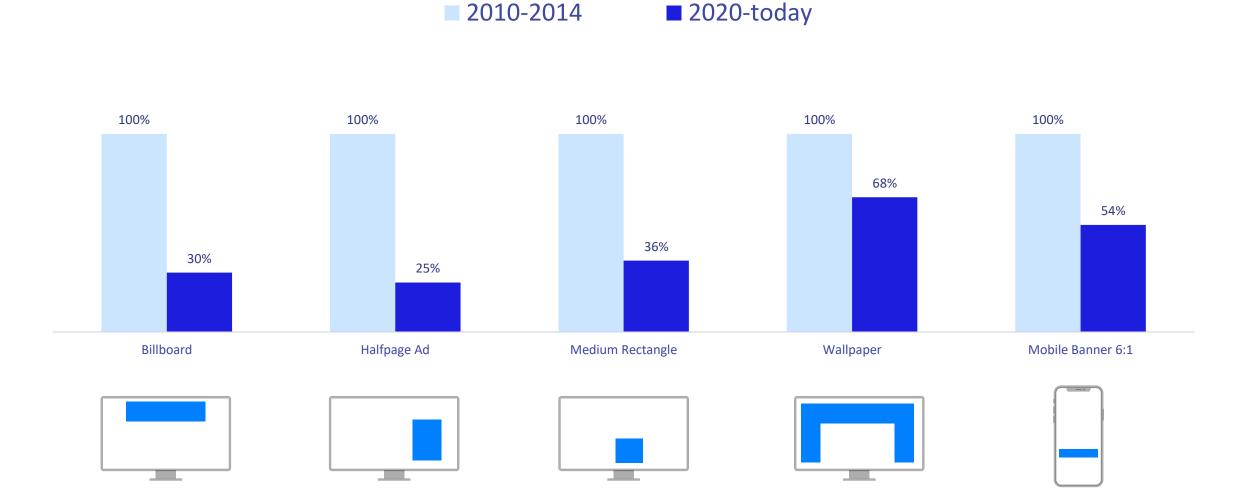
Dynamic Attention trends





10 years ago people looked much longer at banner ads than today

2010-2014





Creative-focused Attention Al

VS.

Media attention: context effects

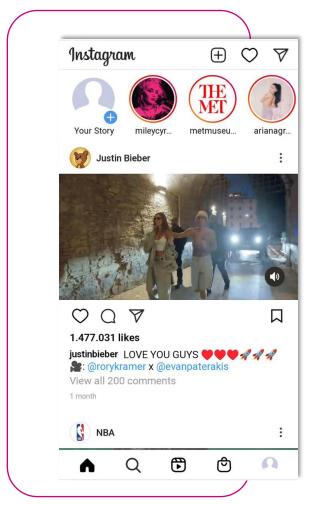


eye square

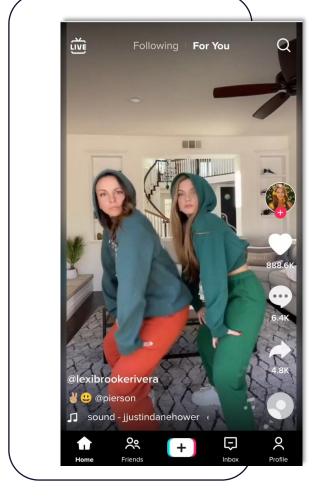
Same Ad in different social media feeds



Stories



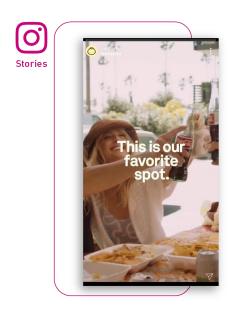




Instagram and TikTok deliver different media attention



Longer playback on Instagram than on TikTok for the same ad



InFeed

This is our favorite spot.

Spotsored

Spotsored

Police Princip

Playback



4.8sec



3.2sec



Attention Al ...

- ... enables attention-based decision making in marketing communication
- ... allows time and budget savings in early stages of creative development
- ... struggles to predict human attention correctly in complex visual situations
- ... needs to dynamically adapt to attention trends, context and user intent

Solution:

Attention AI needs constant human input



Eye square: human experience

State of the art in context testing

Real <u>attention measurement</u> with precision eye trackers



Authentic in-home media contacts





Thank you for your human attention!

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