

# What a Demand Side Platform (DSP) needs

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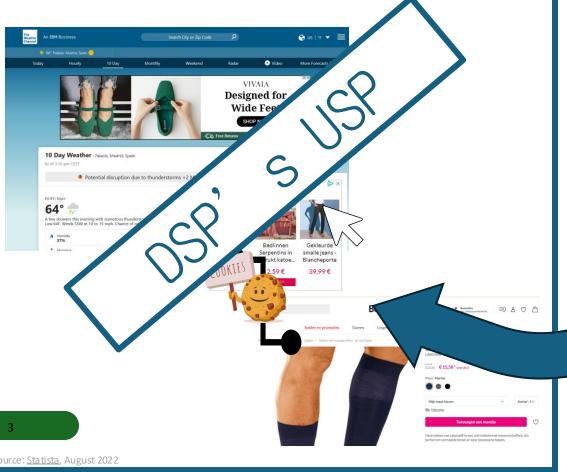


## Context and problem statement

- A lot of conversations are happening around the future of Privacy Preserving Measurement APIs
- Various new Private Measurement APIs have been shipped in the last few months or years: Apple AdAttribution Kit, Google ARA, Firefox Privacy Preserving Attribution
- The set of capabilities of those are vastly different
- We need to ensure we take the right decisions to ensure adoption of Privacy Preserving techniques

### Measurement, Machine Learning & Budgeting

- Attribution to a specific impression
- Typically, currently relies on 3<sup>rd</sup> party cookies
- Required for machine learning (learn "good" impression features)



#### Attribution to a channel

- Not linked to a specific impression
- Requires consent on advertiser website
- Used to prove value of advertising
- Advertiser are ROI centred
- Advertiser use Measurement tools aggregating data from all channels (Google Analytics) to assign budget based on performance



	Source de la session	teurs	Sessions	Sessions avec engagement	Durée d'engagement moyenne par session	Sessions avec engagement par utilisateur	Événements par session	Taux d'engagement	Nombre d'événements Tous les événements ▼	Conversions   → Tous les événements →	Re
		29 127	42 657	29 732	1 min 13 s	1,02	16,44	69,7 %	701201	54 518,00	80 999,6
		100 % du total	100 % du total	100 % du total	Égal à la moyenne	Égal à la moyenne	Égal à la moyenne	Égal à la moyenne	100 % du total	100 % du total	100 % du
1	(direct)	16 812	24 758	16 980	1 min 17 s	1,01	15,83	68,58 %	391 964	28 872,00	49 195,2
2		8 307	11 396	8 454	48 s	1,02	11,82	74,18 %	134 698	12 965,00	10 319,4
	524	1 795	2875	2 506	1 min 21 s	1,40	16,78	87,17 %	48 241	5 873,00	8 256,4
		2 373	2 134	2	1 min 58 s	<0,01	40,94	0,09 %	87 366	3 269,00	5 866,6
	ter_February_2024	420	578	494	44 s	1,18	12,32	85,47 %	7 120	1 077,00	916,8
	sites.google.com	199	342	254	2 min 15 s	1,28	24,37	74,27 %	8 334	761,00	1 256,1
7	Newsletter_November_2023	173	368	275	1 min 36 s	1,59	17,88	74,73 %	6 580	541,00	2 153,6
8	Newsletter_January_2023	123	203	156	1 min 54 s	1,27	19,84	76,85 %	4 028	317,00	825,6
9	art-analytics.appspot.com	143	220	171	1 min 40 s	1,20	20,43	77,73 %	4 495	315,00	296,8
10	bing	180	223	156	1 min 02 s	0,87	11,56	69,96 %	2 578	161,00	0,0



## What an advertiser need

- Accurate billing
- Estimate of Audience reach
- Measure Performance in a global source of truth (50%+ is Google Analytics, followed by Adobe Analytics & Neustar)
- Ability to check / if each channel is delivering as expected
- Short term rough estimates, long term accurate figures
- Deduplicated performance across channels



## What does a DSP need

- "Reach the right person with the right message at the right time"
- Optimization is key:
  - Ability to run ML algorithms at scale, with decent costs
  - Access to a Truth Set fully granular & noise free
  - Ability to run any sort of model & innovate: logistic regressions, deep learning, GPUs...
  - Leverage learning at bidding time (out of scope)
- Reporting is important, can be
  - Modelled
  - Aggregated
  - Post view or post click
- Need to rerun queries for different use cases
  - Accurate aggregated / long term data + noised granular /short term data
  - Ability for advertisers to delegate to their DSP
  - Support 10,000s of Publishers for any given campaign



# Thank you!

