Data Driven Decision-Making:

Making Big Data Useful

Cimeon Ellerton - The Audience Agency

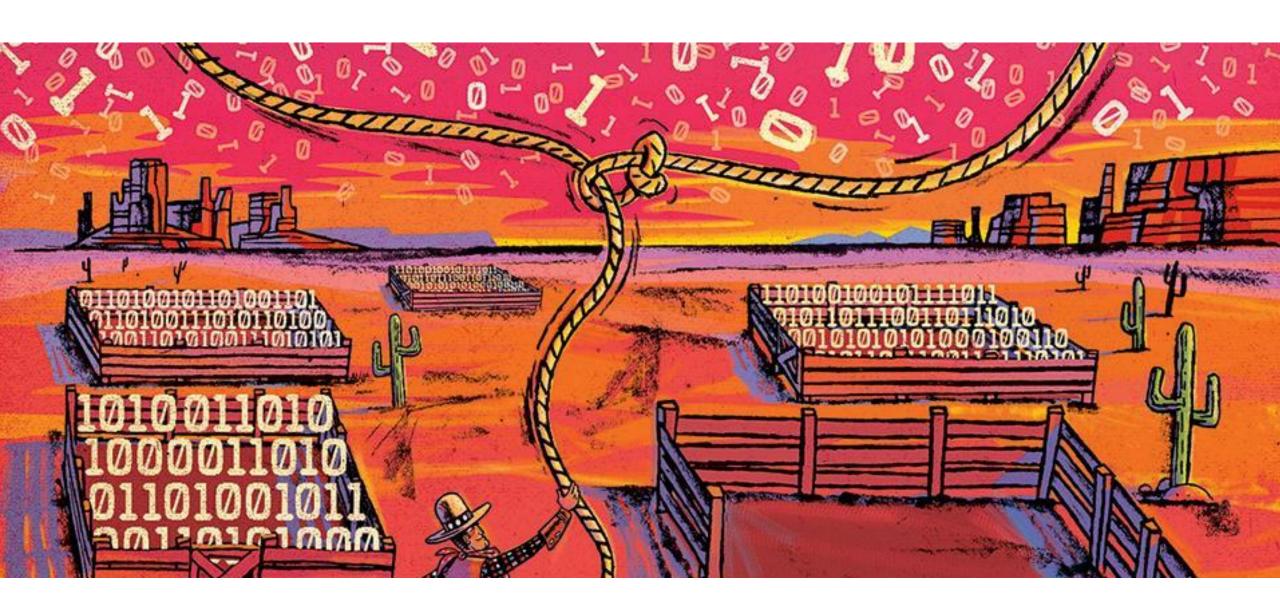


Big Spenders

 Norwegians spend more per head on music than any other country*

206.37 NOK (23.58 USD) per person

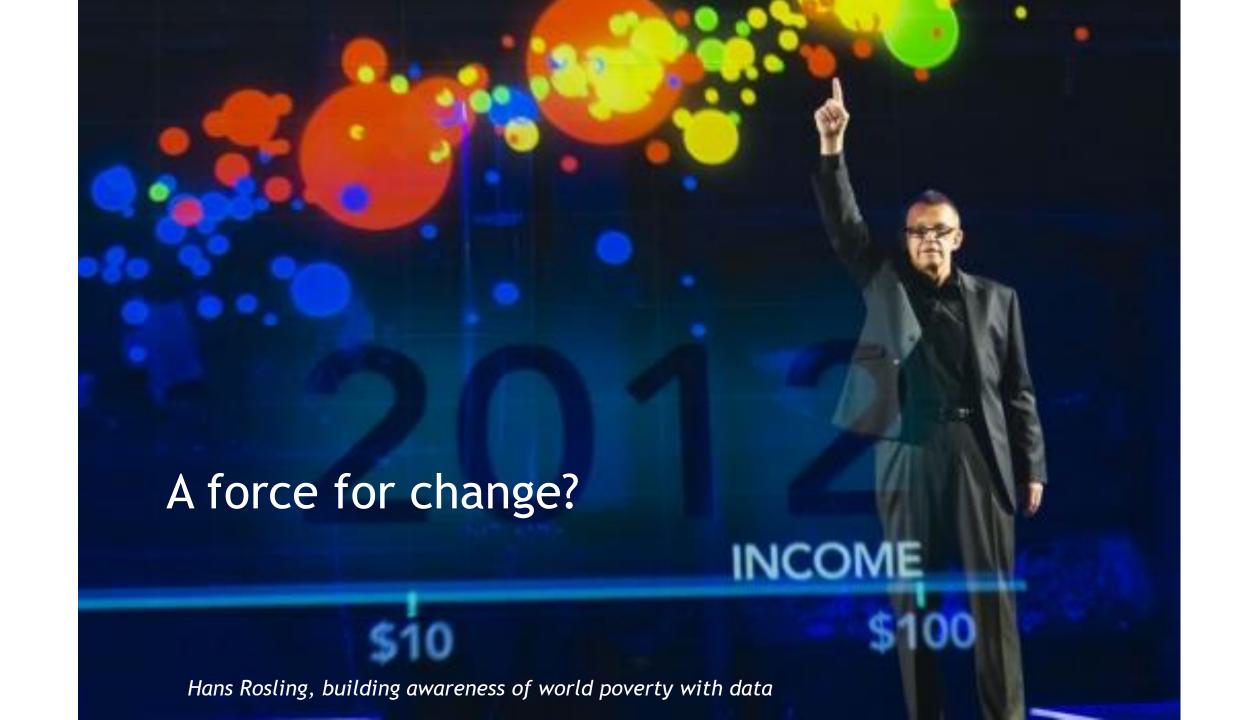
*International Federation of the Phonographic Industry



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Big Data = Bigther



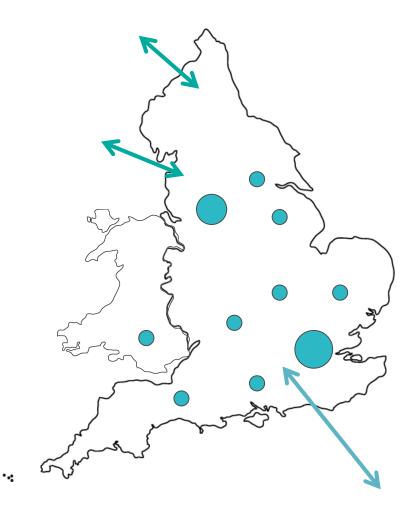




The Audience Agency

leading insight-driven audience policy and practice

- Not-for-profit, mission-led
- Sustainability + access
- 800+ arts, museums & heritage
- Broker collaboration
- Audience intelligence & strategy

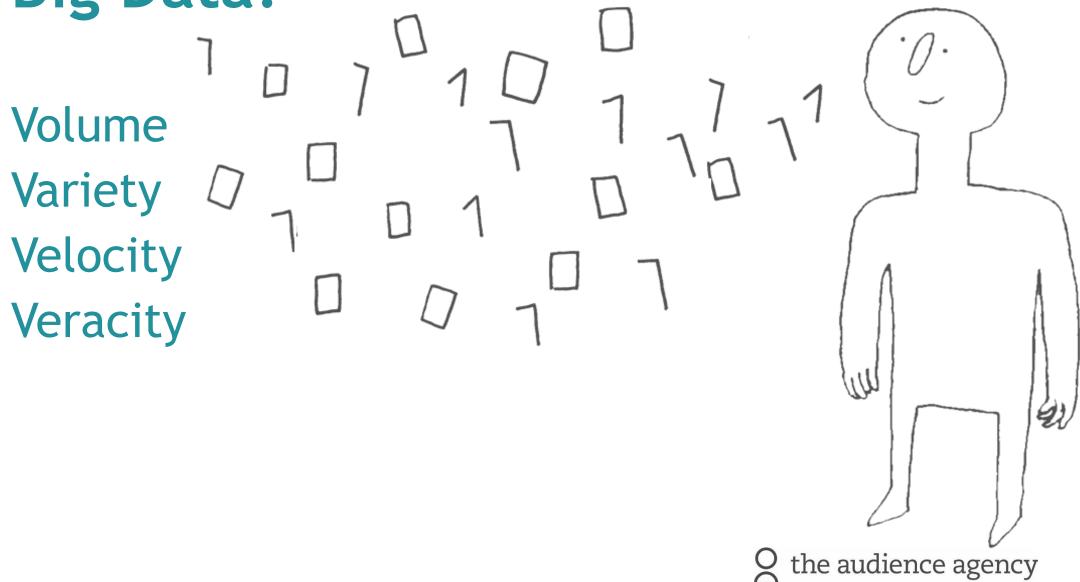








Big Data?



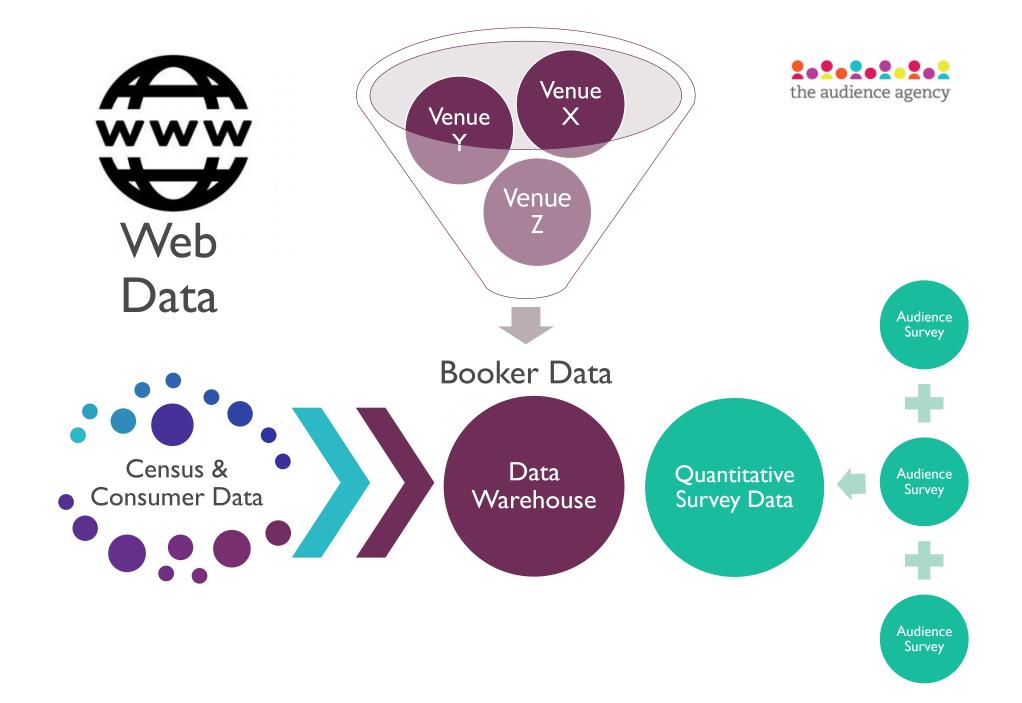


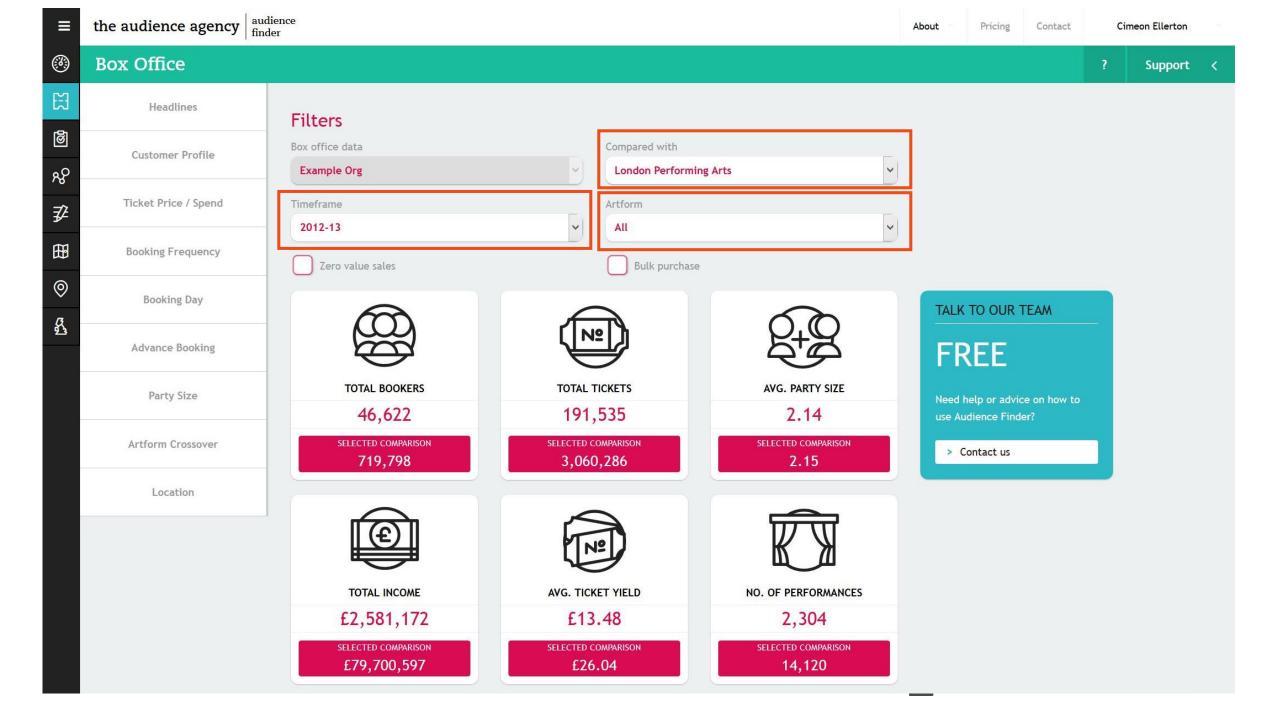
700+ cultural organisations sharing data to build audiences

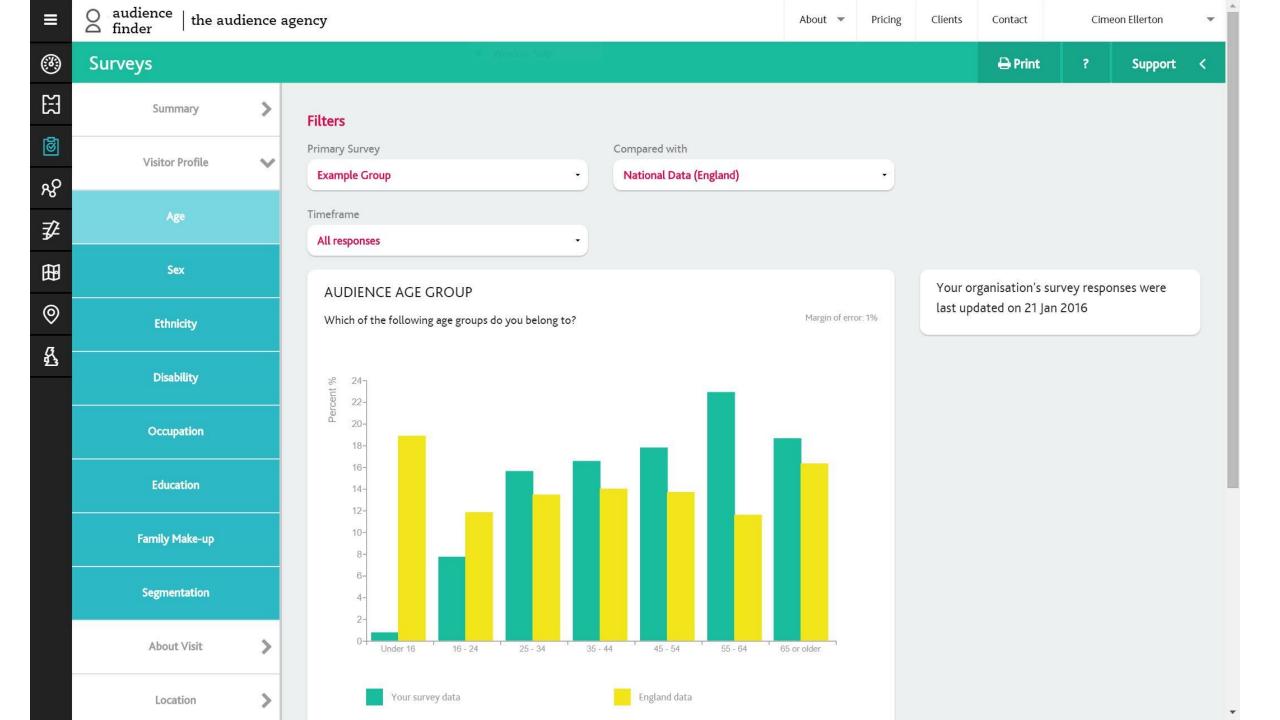
40 x co-operative groups Open and free to all Condition of funding

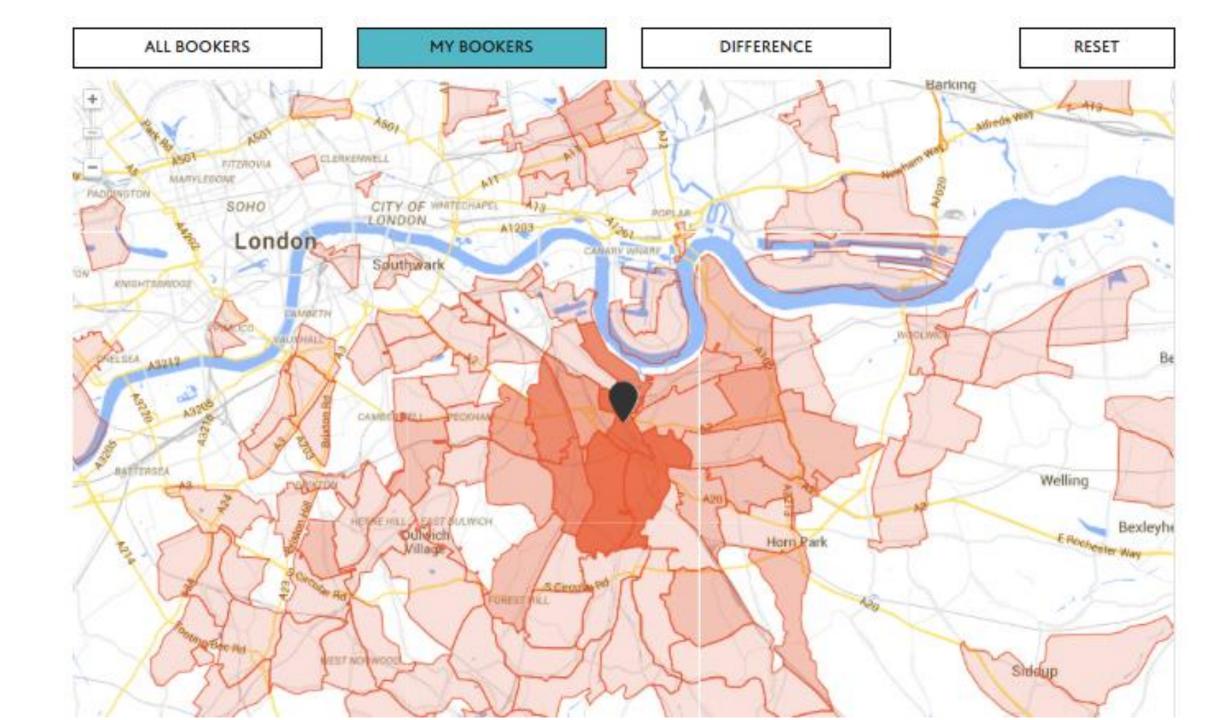
Behaviour + attitudes + demographics

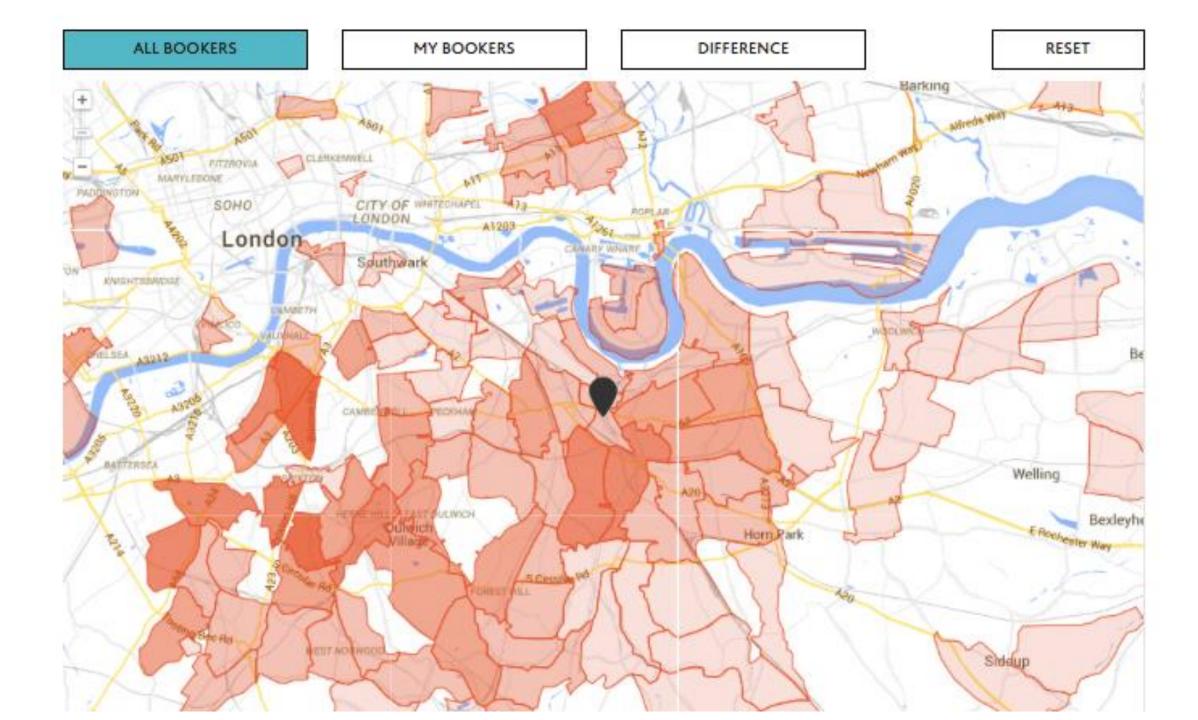




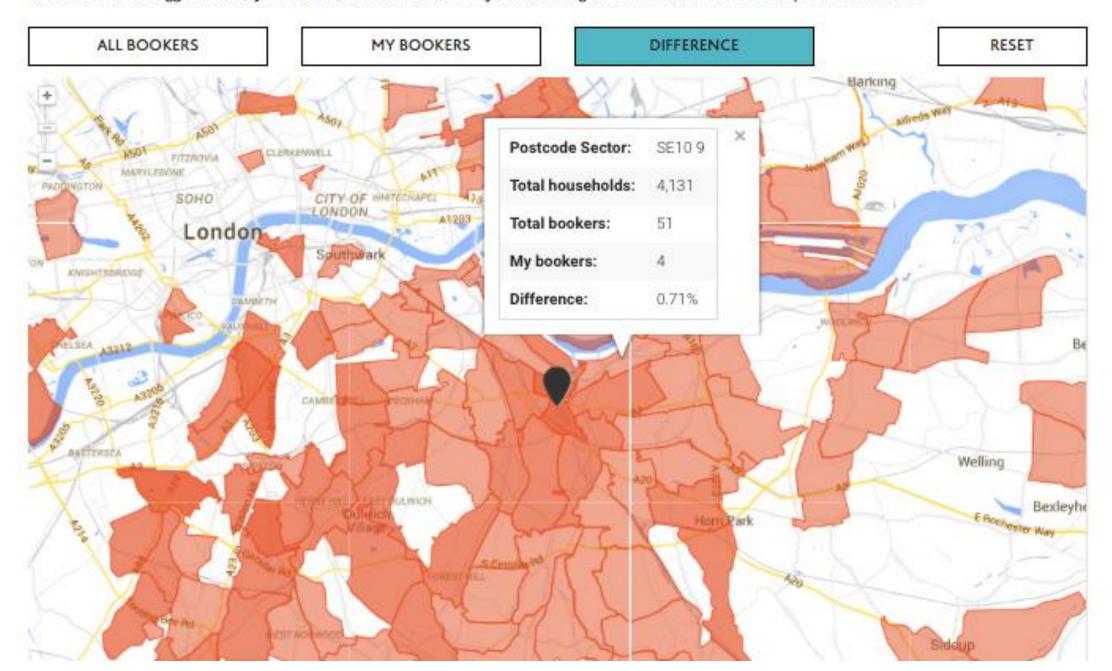








Use the buttons to toggle between your bookers, and all the bookers in your cluster organisations combined and to compare between them.





National survey data

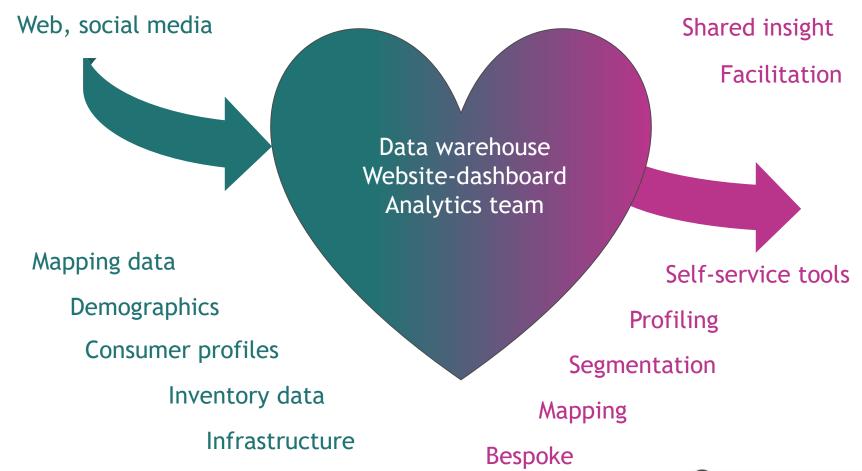
Dashboard analytics

CRM, Ticket-buyer data

Benchmarks

Transaction data

Group reports



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A Case Study: English National Opera

Understanding First-time Attenders



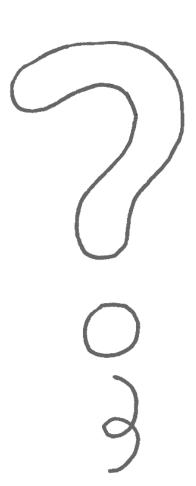
Meet "Maria"

Maria's night at the English National Opera - what the data tells us

- Her first booking at the London Coliseum
- Out for an evening with her guest at La Bohème
- It's likely to be a special night:
 - She planned it 6 months in advance
 - She chose the best seats in the house
 - She treated them to champagne in the interval
- Lives in Islington, North London

What else does Maria do?

- What other venues does she attend
- What other arts and culture does she like?
- What are her booking patterns?
- How much does she pay?
- How frequently does she attend?



Maria's Culture Habits

Maria attended 6 other venues in 3 years



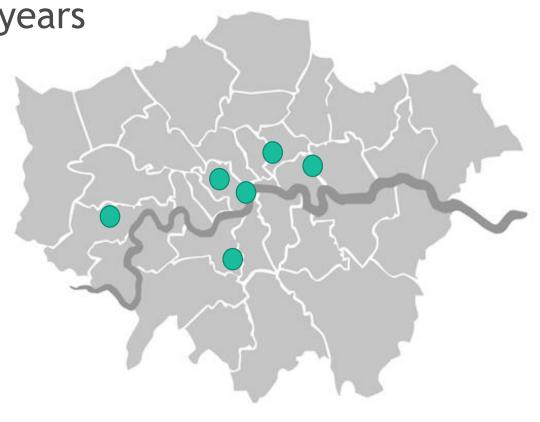
6 Operas



14 Plays



8 Concerts



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Books 76 days in advance

Pays £17 per ticket

Books 139 days in advance

Pays £43 per ticket

Books 156 days in advance

Pays £63 per ticket





Commuterland Culturebuffs



A segmentation of the UK population based on people's cultural habits and preferences.

10 distinct profiles, linked to every household in England and located by postcode.

Helps us understand spectrum of audiences and non-attenders plan to meet needs, and find new ones.

Home & Heritage

Trips 8
Treats

Jp Our Street

Facebook Families Kaleidoscope Creativity



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ENGLAND

Using Data for Prediction



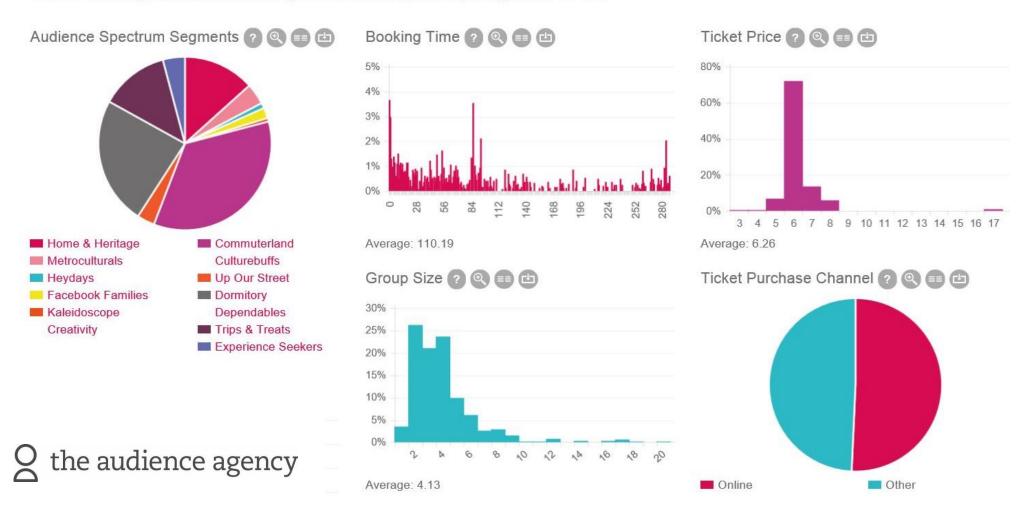
What if we could predict what sort of an audience we might get for a gig, before we've even booked the musicians?

Audience Predictor

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Edit Performance Settings

Based on 8 matching performances of 3 distinct productions from 2 organisations, scoring from 0.71 to 0.71.



How does it work?

• The maths:

$$c(p_1, p_2) = \frac{\sum_i w_i \delta_i}{\sum_i w_i}$$





Thank You

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