

DEMYSTIFYING ANALYTICS: HOW ANALYTICS ARE DRIVING DECISION-MAKING IN EVERYDAY BUSINESS

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The exponential growth of data

2016 data estimated to have doubled by 2019



Source: United Nations Economic Predictions



The exponential growth of data

What is a Zettabyte?

	Approximate bytes conversion
1 kilobyte	1,000
1 megabyte	1,000,000
1 gigabyte	1,000,000,000
1 terabyte	1,000,000,000,000
1 petabyte	1,000,000,000,000,000
1 Exabyte	1,000,000,000,000,000,000
1 zettabyte	1,000,000,000,000,000,000,000

More than 40 zettabytes by 2019

Less than 20 zettabytes in 2016





30 zettabytes expected in 2018

> 20 zettabytes reached in 2017



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Using data to drive your decision making process



Source: New York Times: Big Data - Using Smart Big Data, Analytics and Metrics to make better Decisions



Using data to drive your decision making process Netflix

Why did Netflix buy House of Cards without even commissioning a pilot?

By tagging every film based on content, creating 800,000 micro genres. This identified a significant proportion of subscribers liked political satire, films with Kevin Spacey and directed by David Fincher. New subscribers were 4.9million in the season after launch, up almost 25% from the previous year.





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Psychology of pricing



Source: New York Times: Big Data – Using Smart Big Data, Analytics and Metrics to make better Decisions Source: http://www.digitalistmag.com/future-of-work/2018/01/11/human-is-next-big-thing-05748862



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Netflix example

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How and when does your clients legal spend occur – legal spend projections based on actual historic data, ensuring lawyer resource is available for peak periods.





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Uber example

Using analytics to identify behavioural habits i.e. Pre-empting your clients response to pricing proposals. Will the volume of work decrease if we increase the price?





Key takeaways

- How can you improve the clarity of data within your business?
- How can you make your data more accessible?
- How can you utilise your data to help shape/improve your business?
- What are the main challenges your business may face in practically using data to support your decision making process?
- How can you use big-data to personalise your product/service and what are the challenges in doing that?