



Brief Session 1 Recap

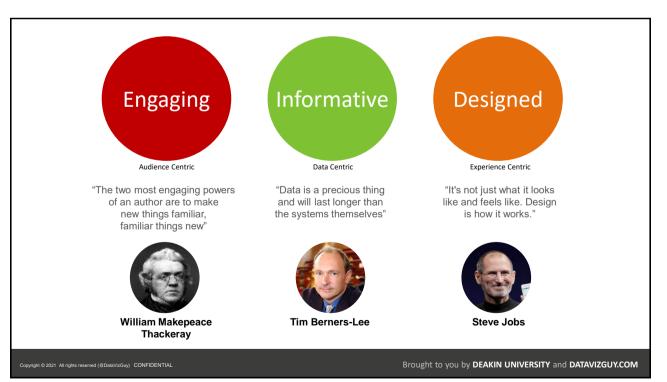
- 1. Introduction
- 2. Framework
- 3. Engagement (Story | Navigation | Motivation)

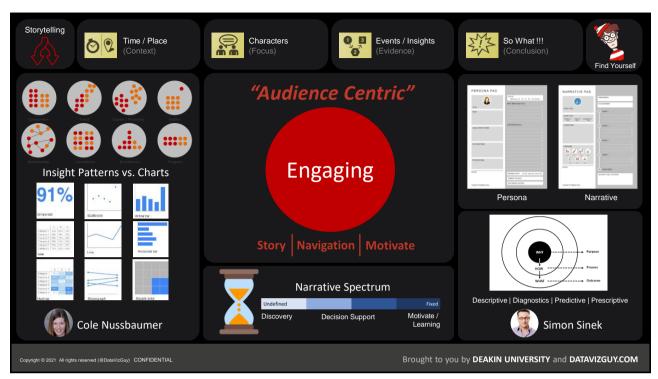
Homework....

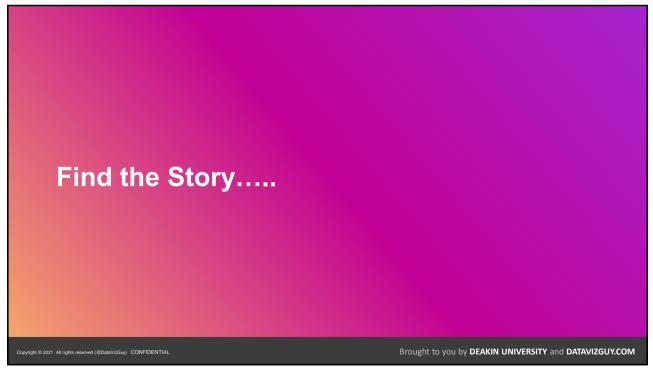
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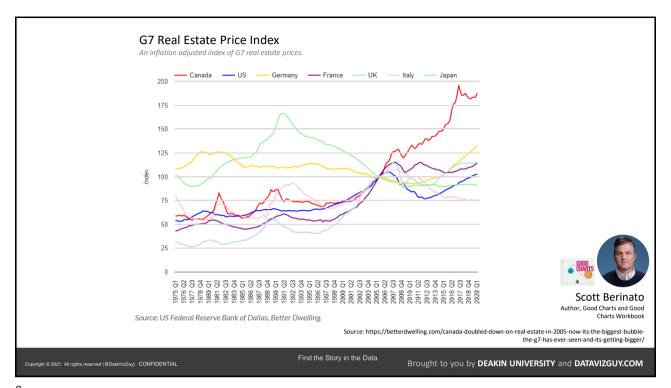
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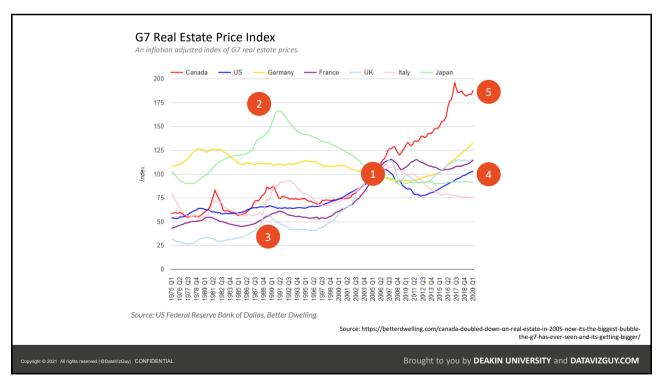
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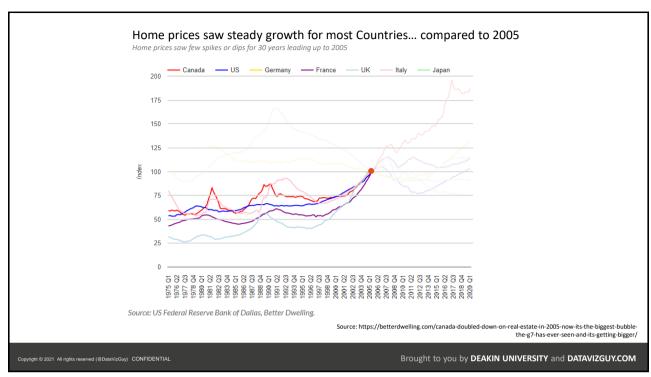


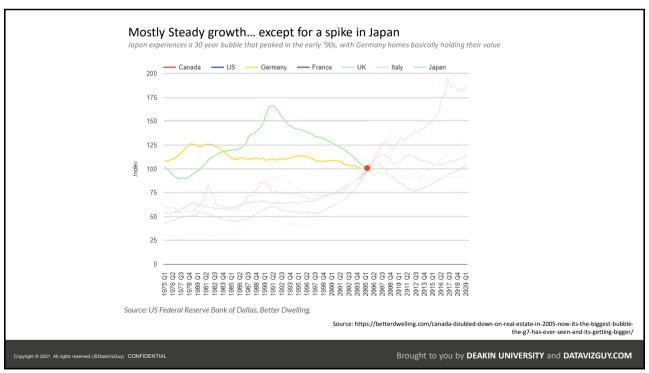


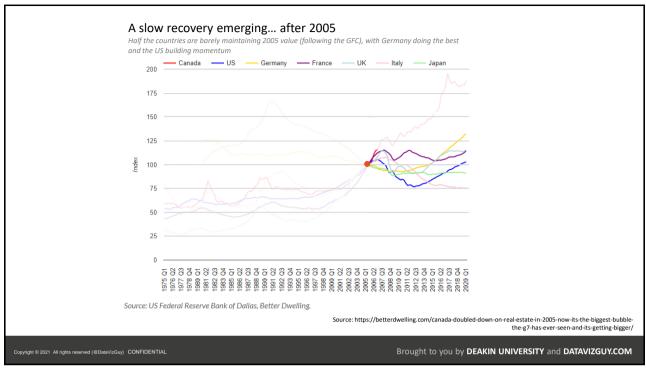


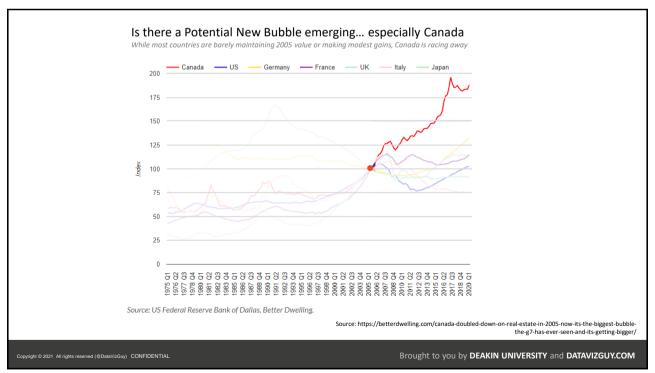




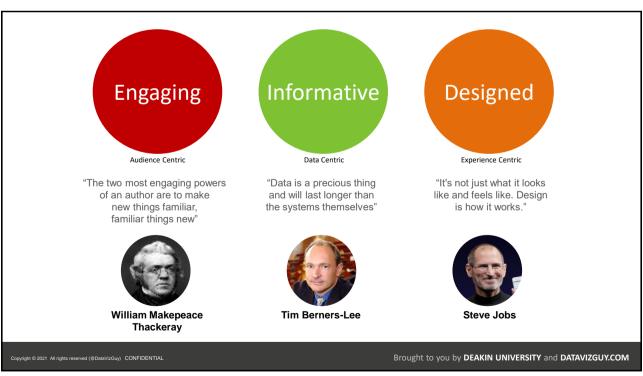


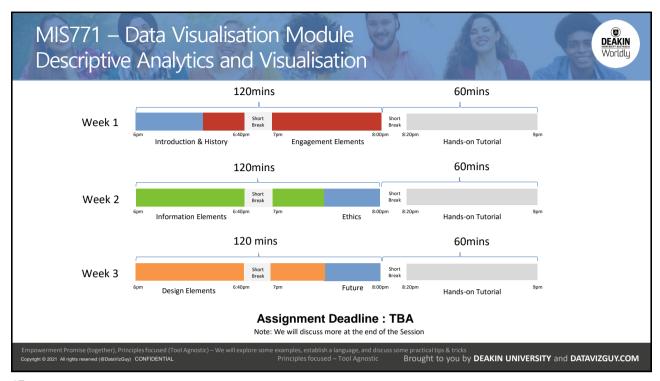


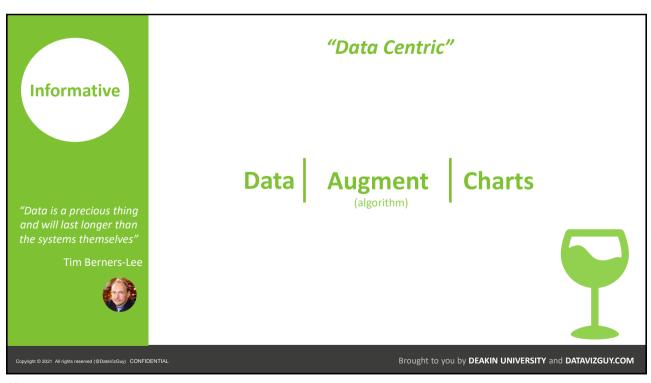


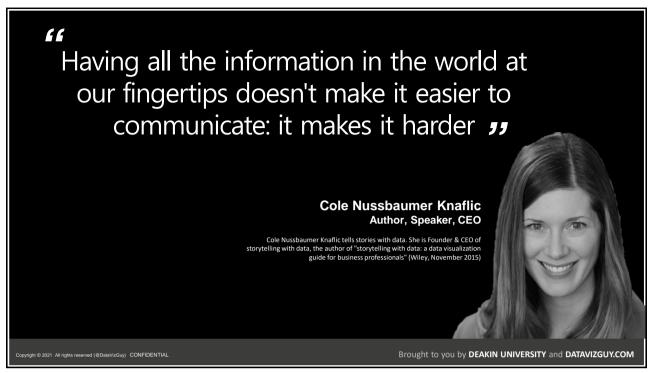


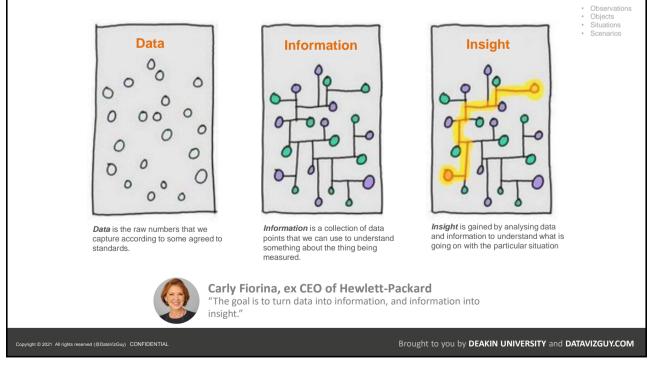


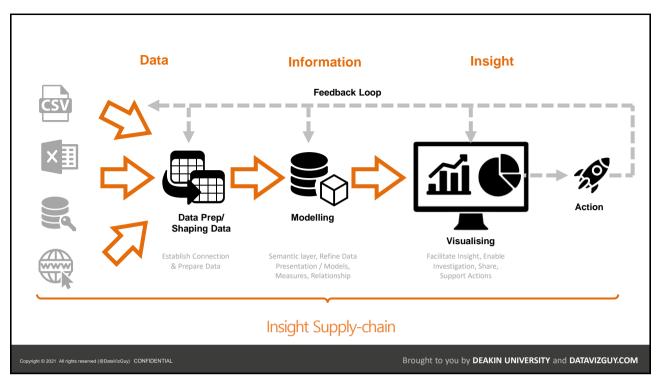


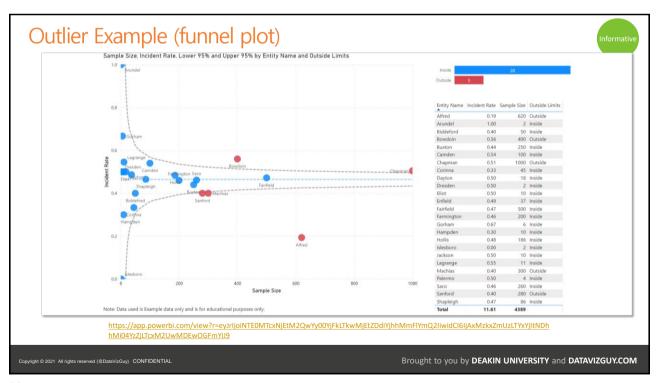


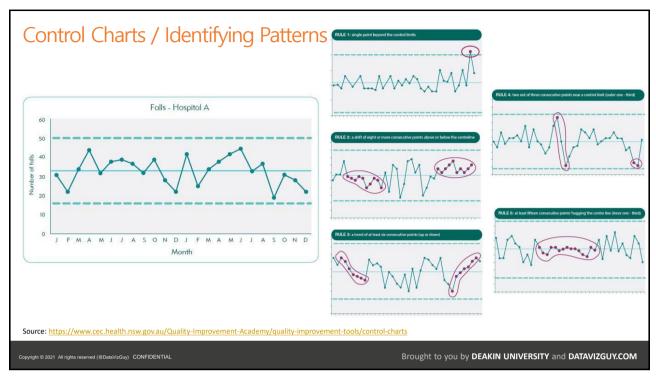


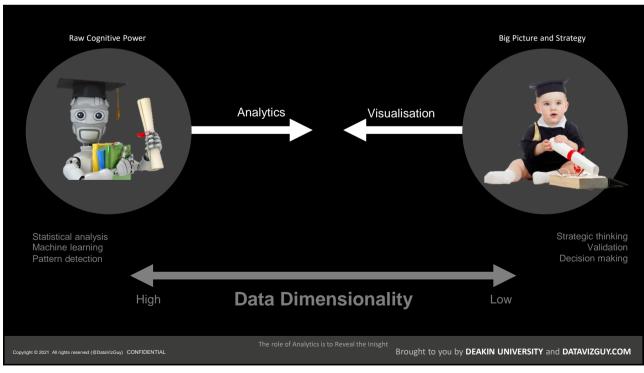












The art and practice of visualizing data is becoming ever more important in bridging the human-computer gap to mediate analytical insight in a meaningful way.

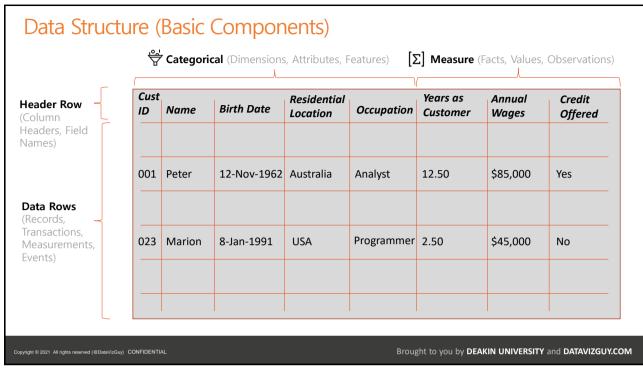


Edd Dumbill is a technologist, writer and programmer based in California. He is the program chair for the O'Reilly Strata and Open Source Convention Conferences. A veteran of open source, Edd has contributed to various projects, such as Debian and GNOME, and created the DOAP Vocabulary for describing software projects.

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Data Quality vs. Fit-for-purpose



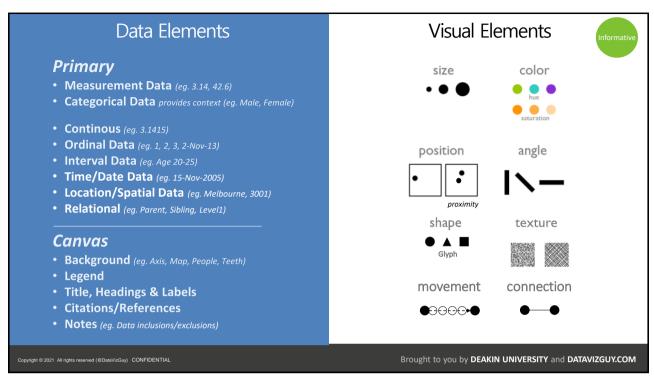
- Missing values (empty values or not complete)
- Redundancy of attributes/dimensions
- Consistency (consistent values, type consistency, units of value)
- Duplicates of records (not unique uniqueness)
- Outliers (data that will distort analysis)
- Noise (simply wrong or invalid data)
- Timing or out of date (old data, not recent enough)

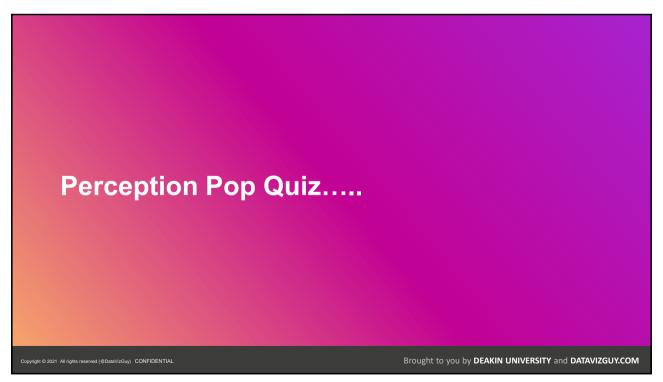
"Unfortunately you are all likely to be disappointed when you first look at you data, because it won't be as nice and clean as you were hoping"... just remember that "bad" data can also sometime contain valuable insights

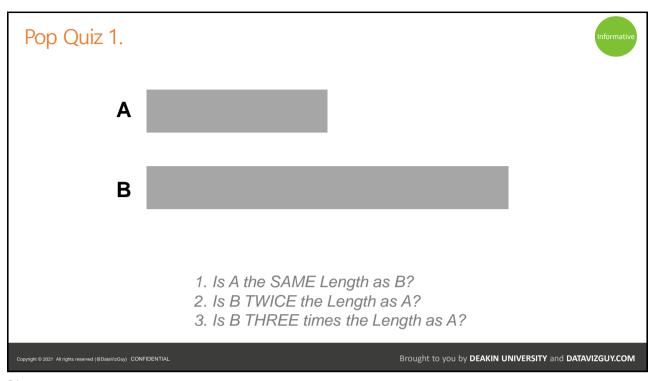


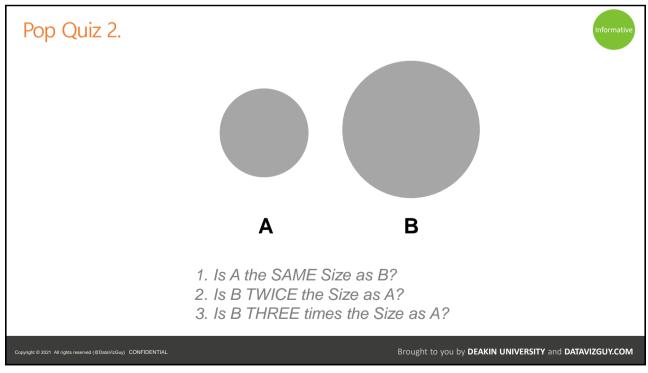
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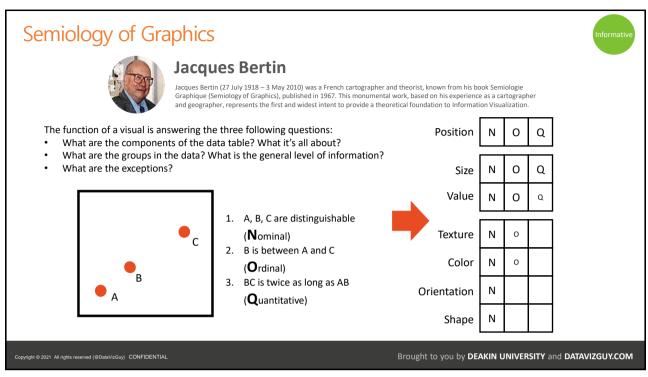
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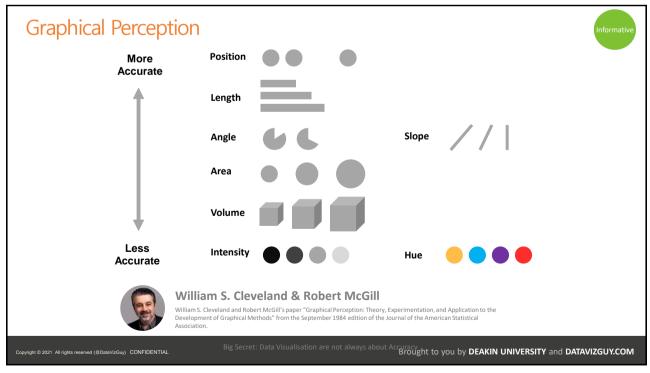


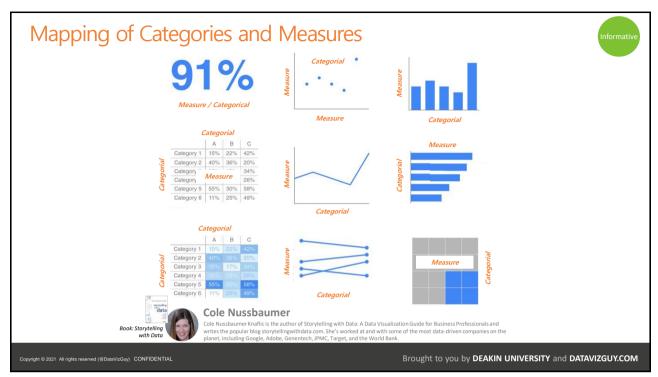


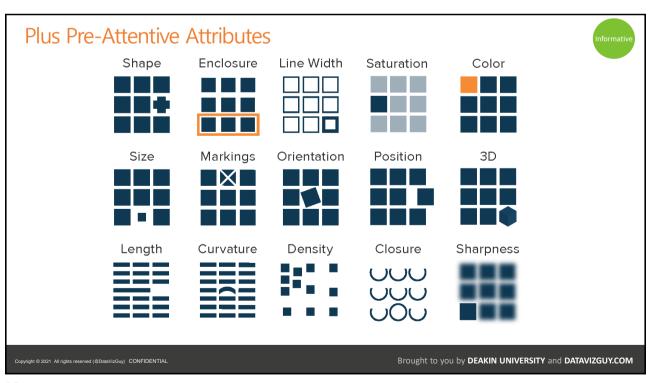


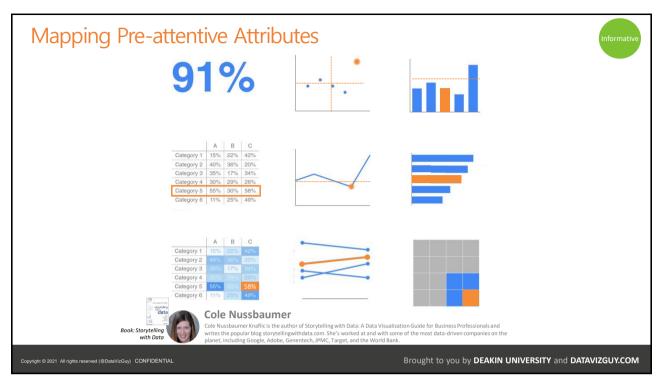


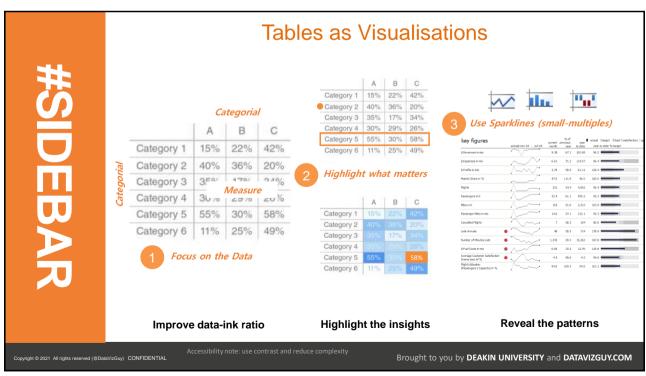


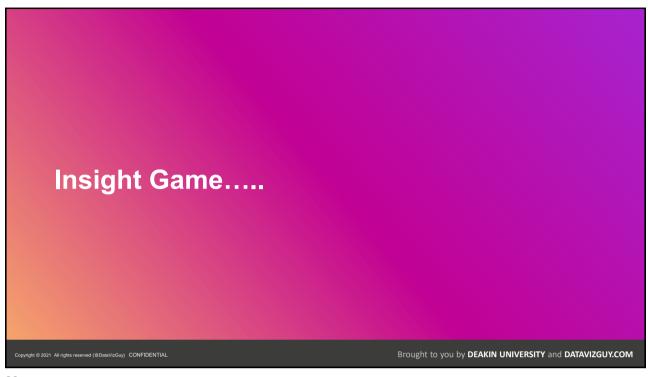


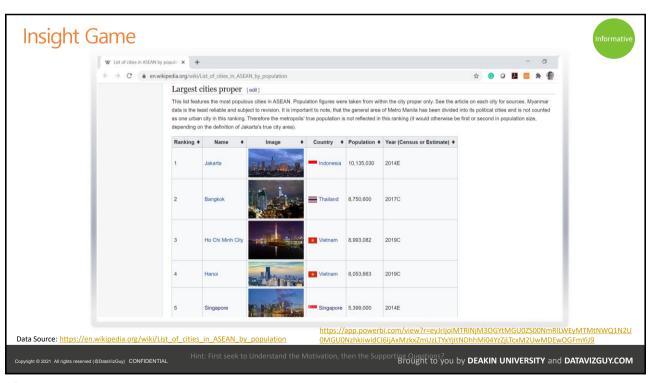


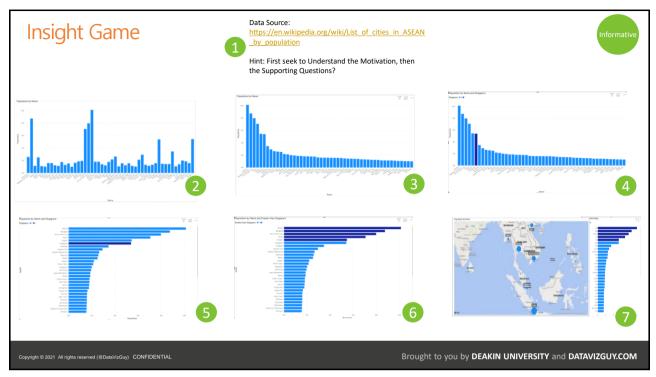


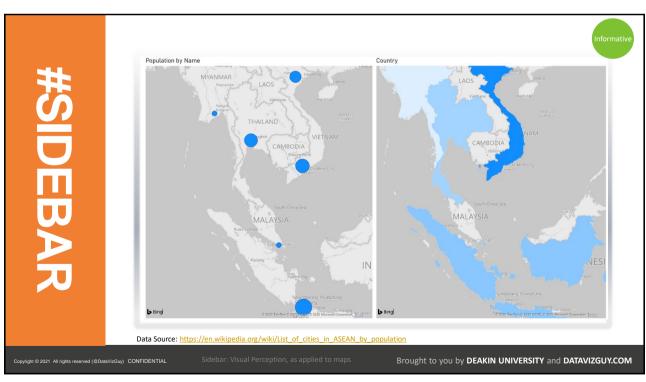


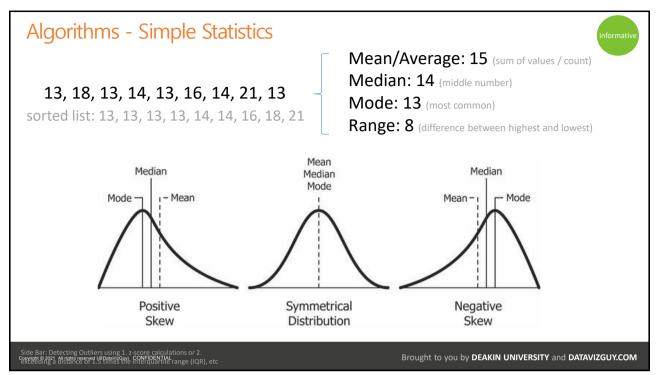


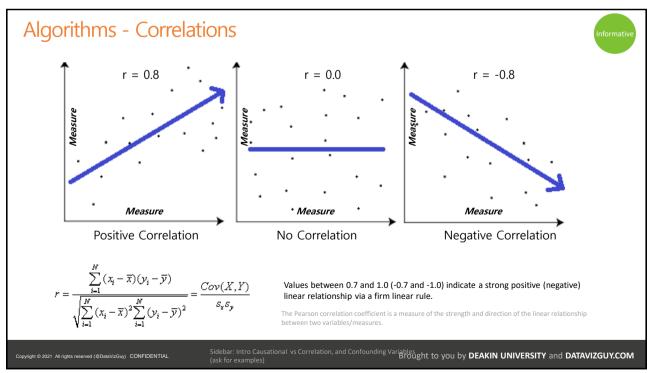


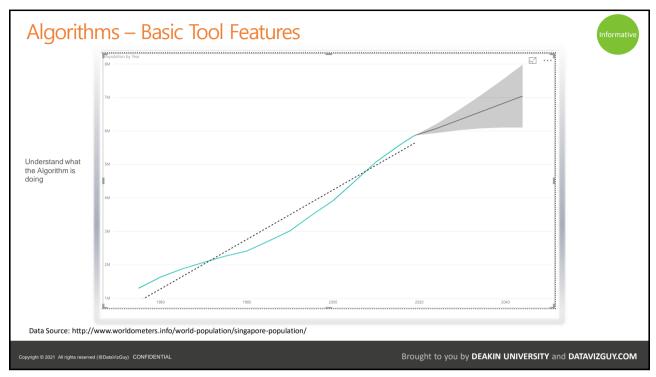




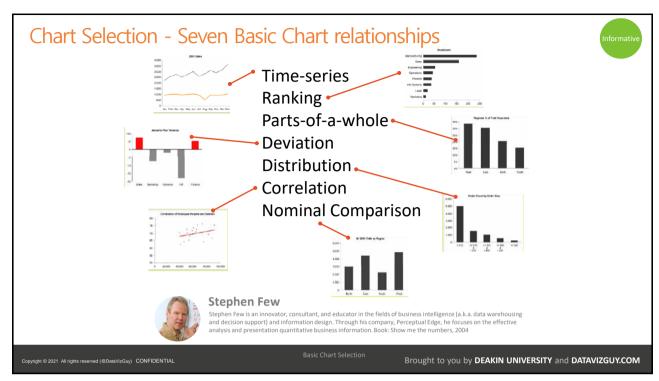


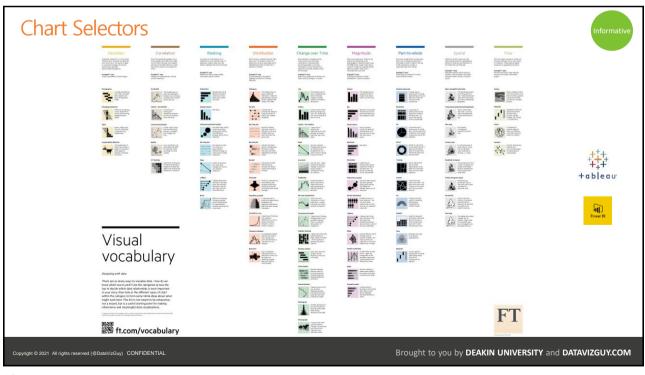


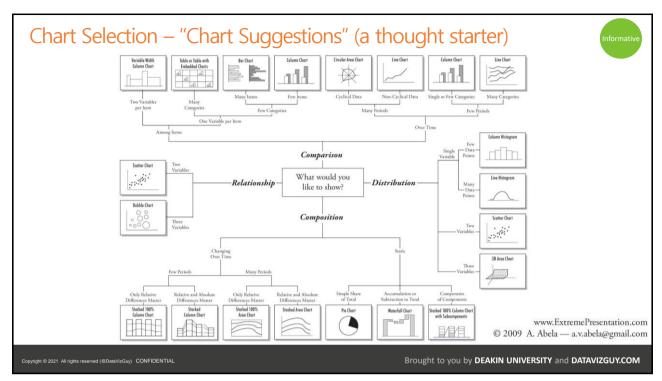


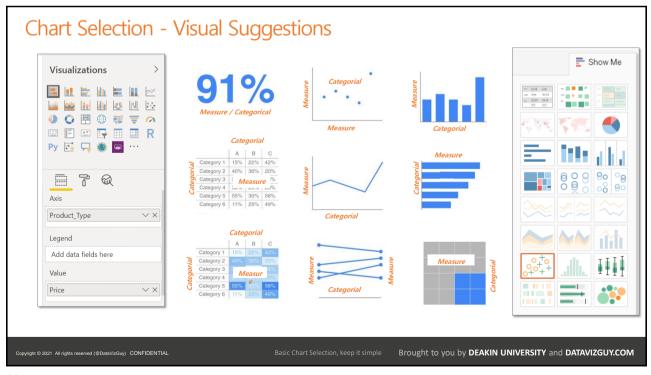


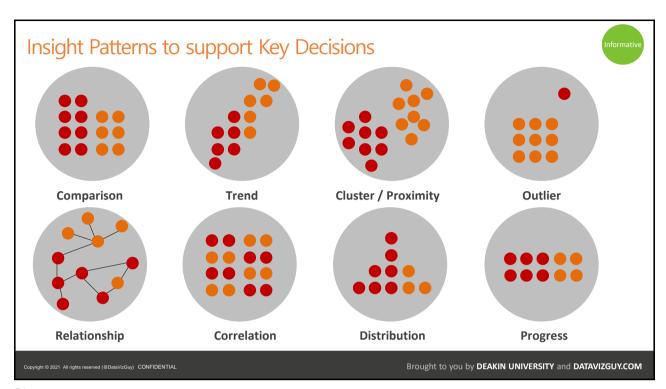


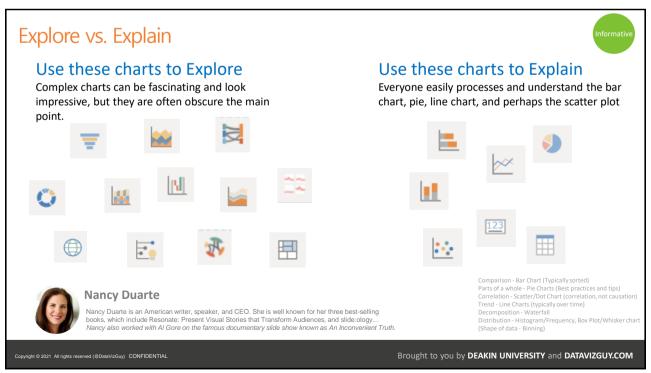


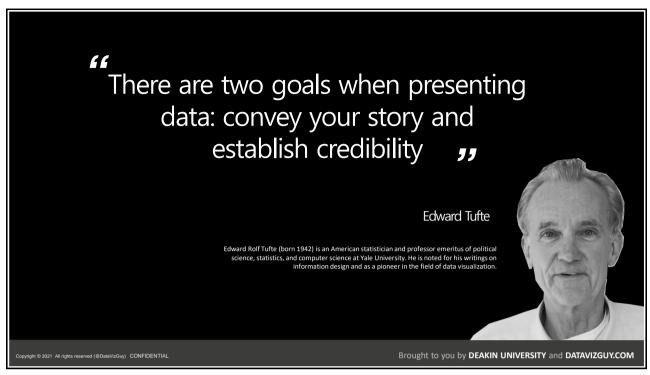


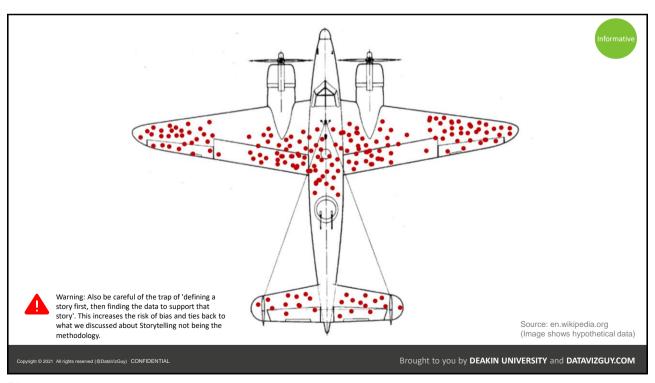




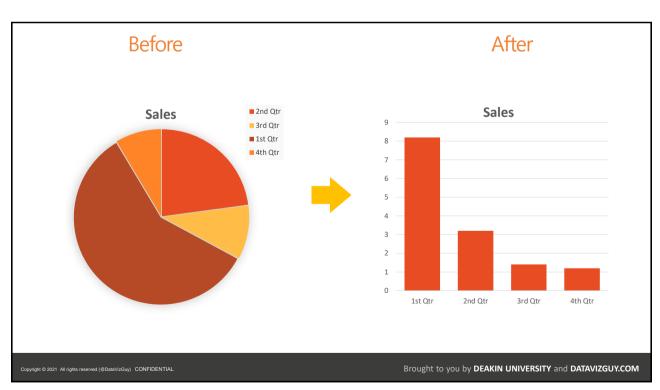


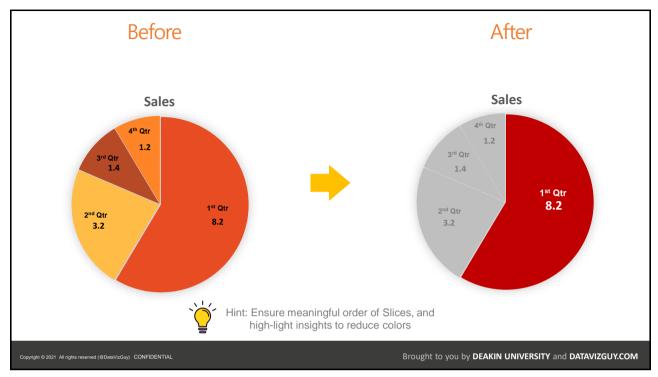


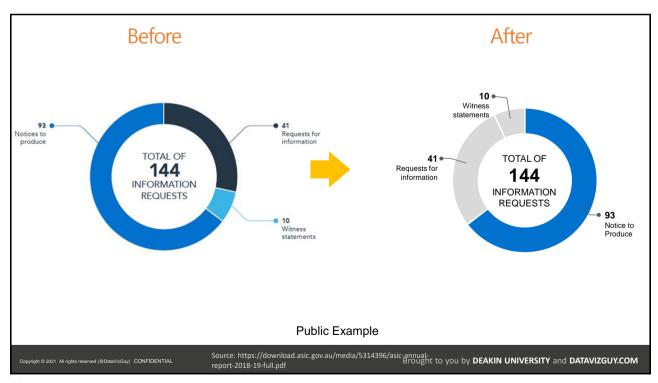


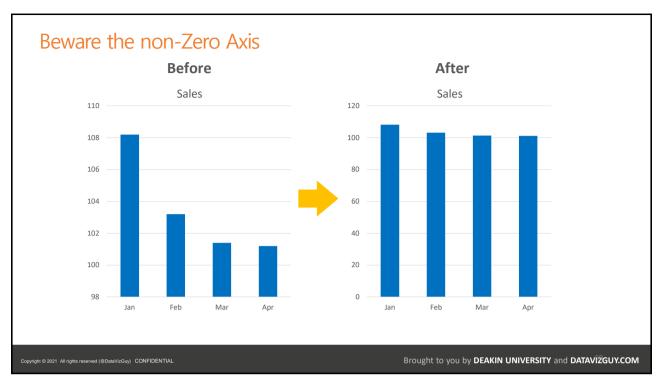


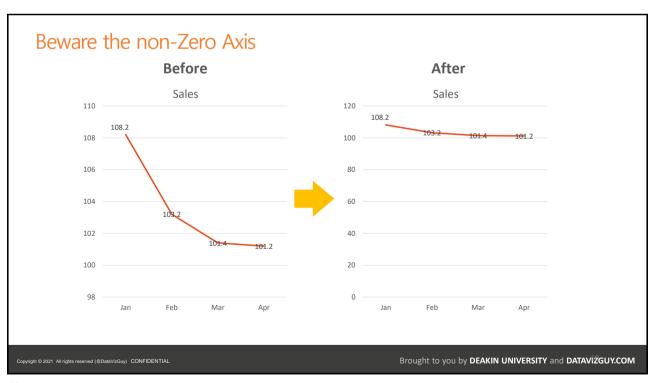


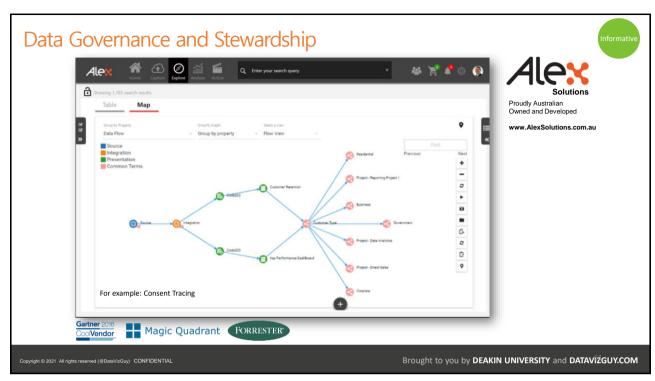




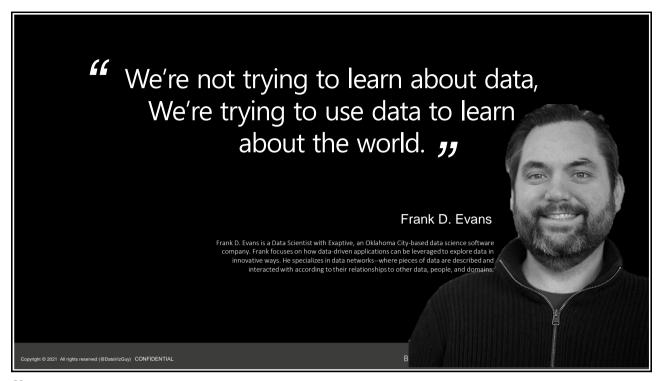


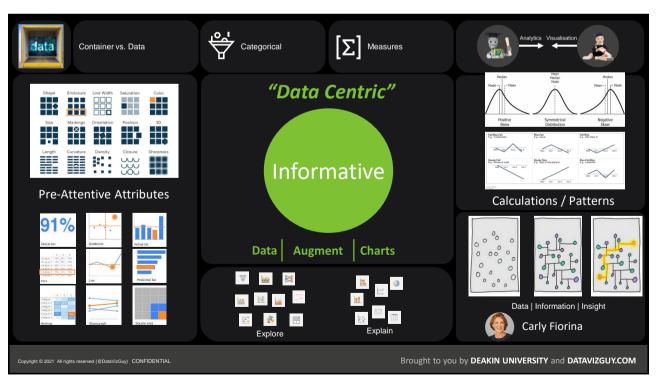




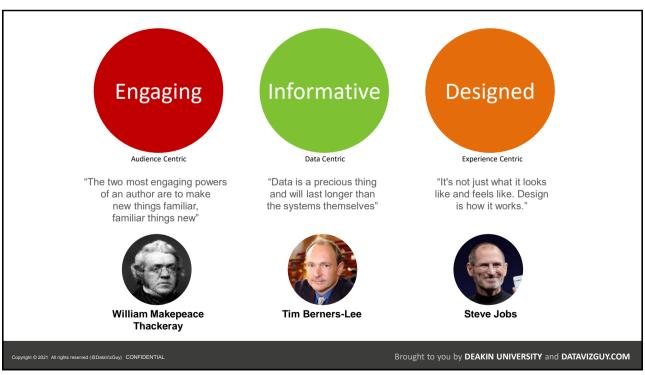


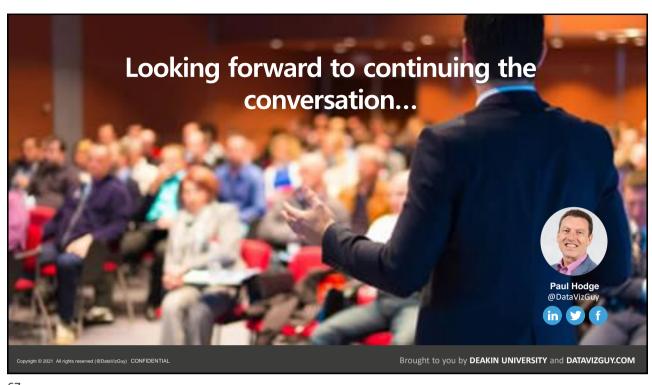


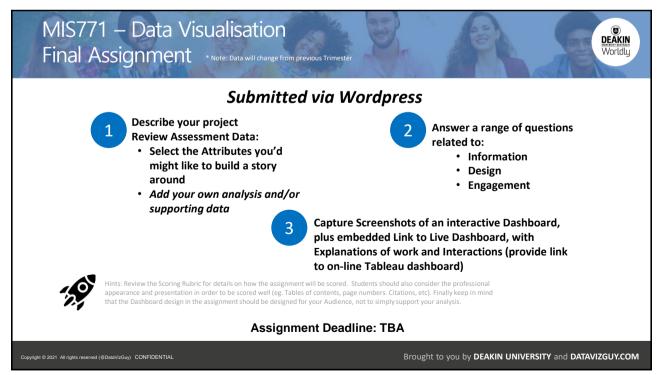












Tutorial



"Data visualization is the representation of information or concepts using visual elements in order to inform or entertain"

Art with Intent



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Tutorial



"Data visualization is the representation of information or concepts using visual elements in order to inform or entertain"

Art with Intent

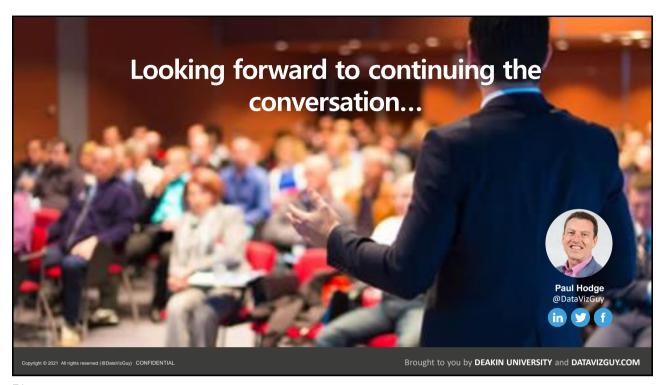




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