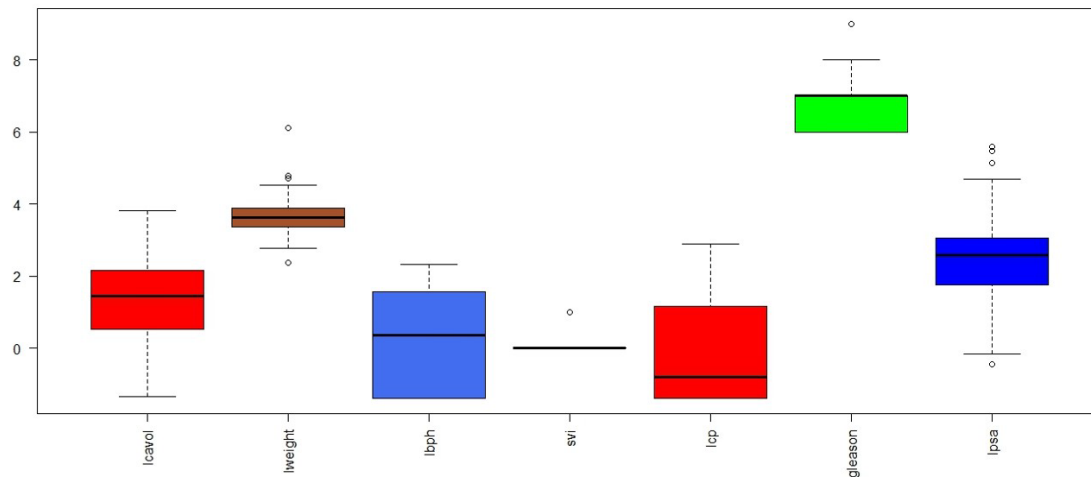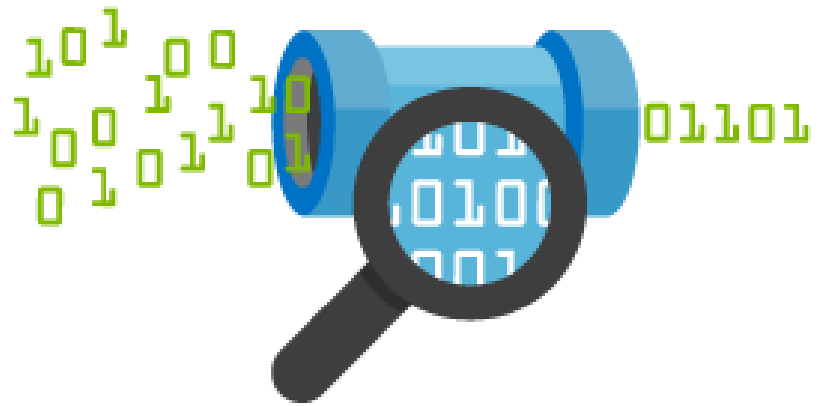OSEMiN | School of Information Studies
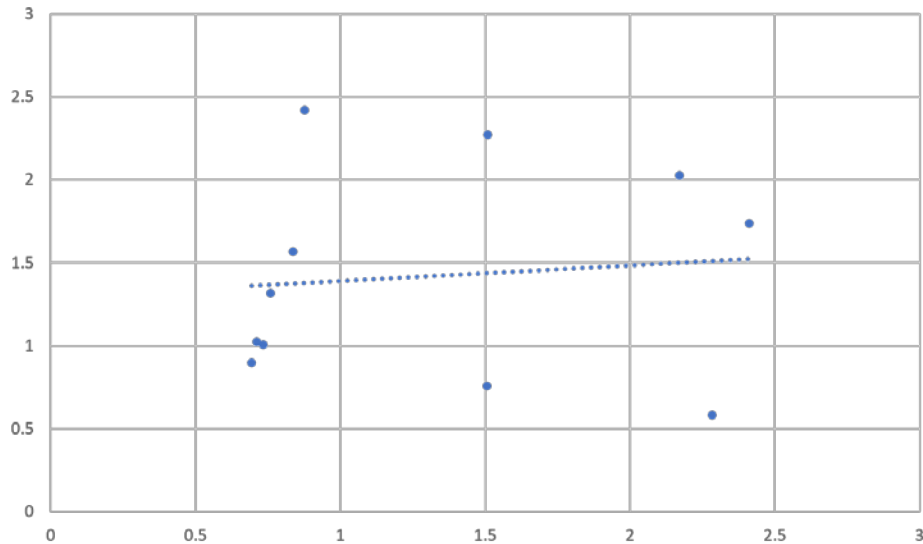Syracuse University

Doing Data Science

- Data analytics is an approach for turning data into information

- Frawley et al (1992) define knowledge discovery as the nontrivial extraction of information from data

- Several steps in a data analytic approach

  - Collection, preparation, **analysis**, visualization, management, and preservation

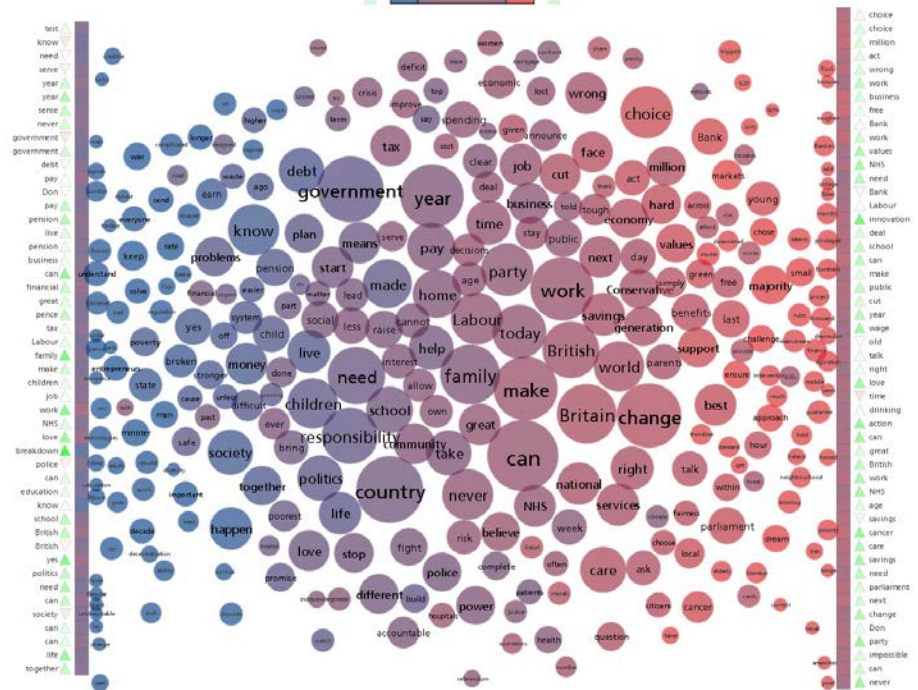- O'Neil & Schutt (2013) describe this process as **OSEMiN**

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Obtain – Scrub – Explore

Model – Interpret

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Alternatives: Knowledge Discovery

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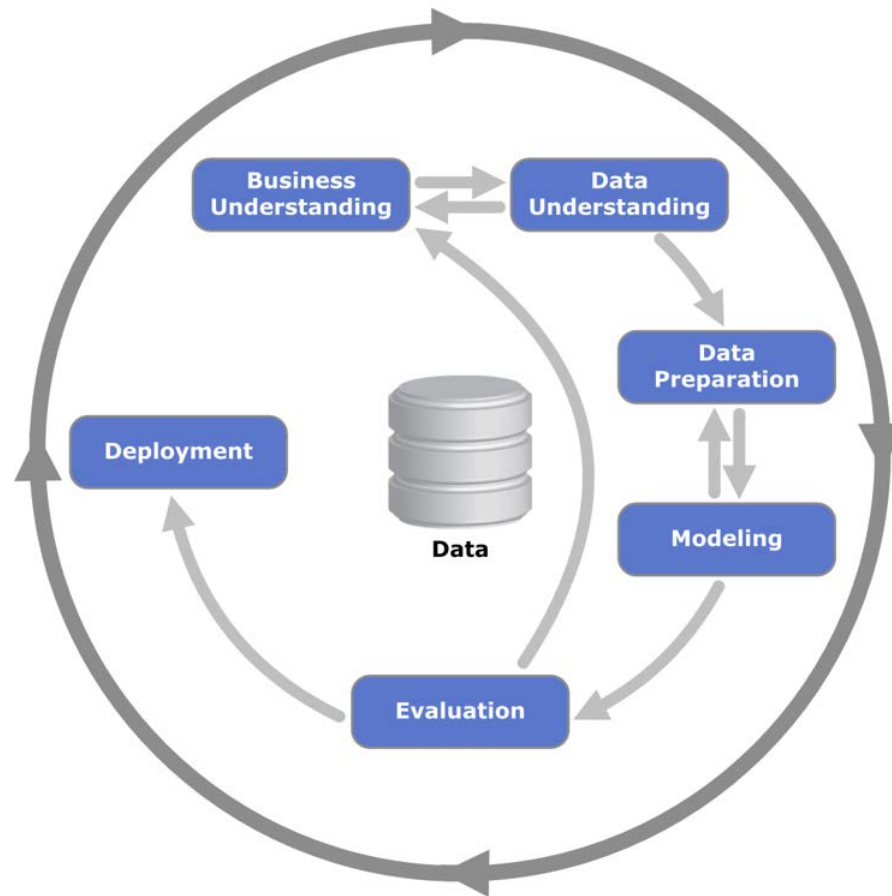
Alternatives: The 7 C's

- Choose your questions
- Collect your data
- Check out your data
- Clean up your data
- Chart your analysis
- Customize your analysis
- Communicate your results

The Accidental Analyst
Show Your Data Who's Boss™

Eileen McDaniel, PhD
Stephen McDaniel

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