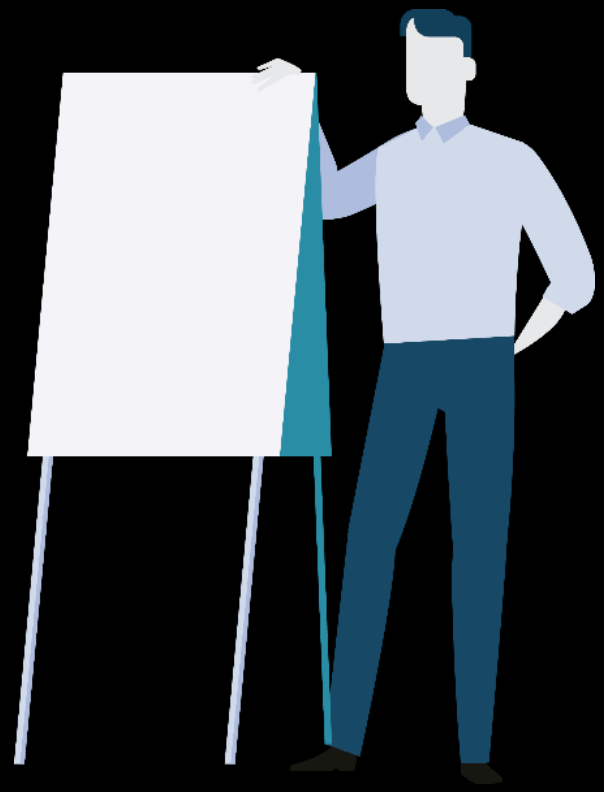
Get The Data

- DSCI100 is a prerequisite for this class.
- In a future version of My MSU, we WILL enforce prerequisites.



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Get The Data

- Getting your own data is the best way to get data!
- Getting data can be like a game of telephone.
- Knowing SQL is an absolute requirement to properly function in a self-service data environment.

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Get The Data

- Data is stored EVERYWHERE!
- File formats and databases are the most common sources of data.

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Get The Data

- Common types of file formats
  - CSV
  - Excel
  - JSON
  - XML

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Get The Data

- Uncommon sources of data
  - Super old mainframe file formats

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Timeout for a quick digression

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Ok maybe not so quick…..

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Yes. I’m blabbing. Pay attention.
This is important.

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FINALLY!

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Get The Data

- Uncommon sources of data
  - Super old mainframe file formats
  - Scientific datasets that don’t conform to common standards
  - HTML files
    - Getting this data is called webscraping
    - Use Beautiful Soup to help parse HTML

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