Numerical transformations in Power Query

DATA PREPARATION IN POWER BI

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Why should you clean data?

- Cost of bad data = $3.1 trillion
- The 1-10-100 rule
  - $1 to verify
  - $10 to clean
  - $100 if you do nothing

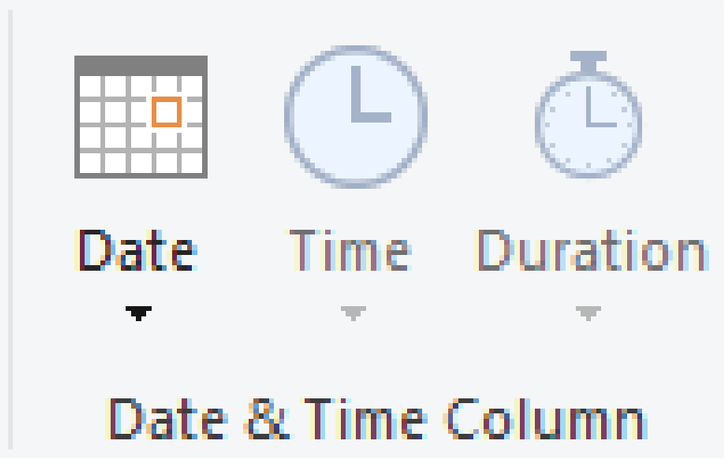
[1] https://hbr.org/2016/09/bad-data-costs-the-u-s-3-trillion-per-year

What is clean numerical data?

- Free from missing values / errors / outliers
- Mathematical transformations are applied (if applicable):
  - Absolute value
  - Logarithm (Natural / Base 10)
  - Multiplying by / adding a scalar value
- Data is rounded to the appropriate amount of digits

On date columns

- Date (and time) is considered a separate data type in Power Query
- Special transformations can be applied to a date column:
  - Extract year, quarter, month, week, day
  - Start/end of year, quarter, month, week
  - Extract age
  - Other



Let's practice!

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Congratulations!

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Wrap-up of what you've learned

Chapter 1

- Clean data
- Data types
- Basic structural transformations

Chapter 2

- Column distribution
- Column quality
- Column profile

Chapter 3

- Clean text data
- Splitting and combining text columns

Chapter 4

- Clean numerical data
- Mathematical operations
- Date manipulation

What's next?

Data Transformation in Power BI

See you again!

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