Power BI

Professor Ernesto Lee

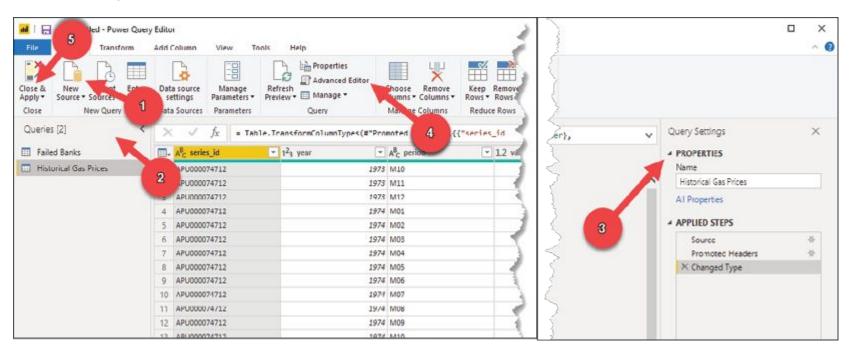
What we will cover

- The Power Query Editor
- Transform basics
- Advanced data transformation c
- Al Insights
- Univariate Analysis
- Bivariate Analysis
- Correlation Analysis



Where Do I Manage Cleaning My Data in Power BI?

Power Query Editor



Data Cleaning in Power BI

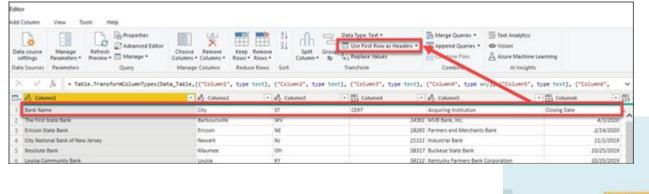
Deleting transforms: If you make a mistake and need to undo a step, you can click the Delete button next to a step.

Modifying transforms: This can be done with any step that has a gear icon next to it.

Changing the order of transforms: If you realize that it is better for one step to execute before another one, you can change the order of how the steps are executed.

Selecting previous steps: Clicking on any step prior to the current one will allow you to see how your query results would change one step earlier in the process.

Use First Row as Headers

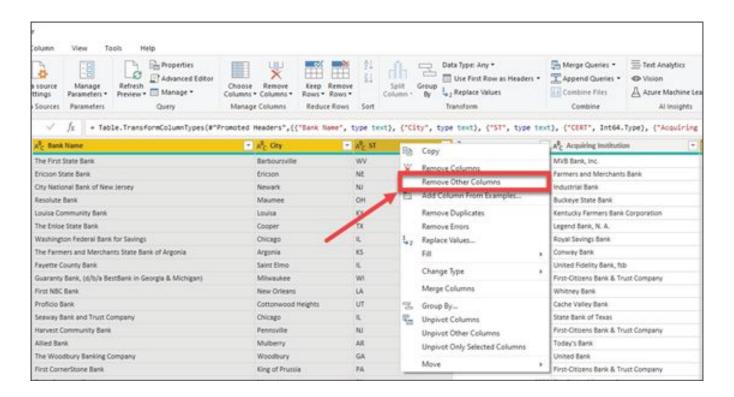


https://bit.ly/2410C

*Do Mini.md in the link above

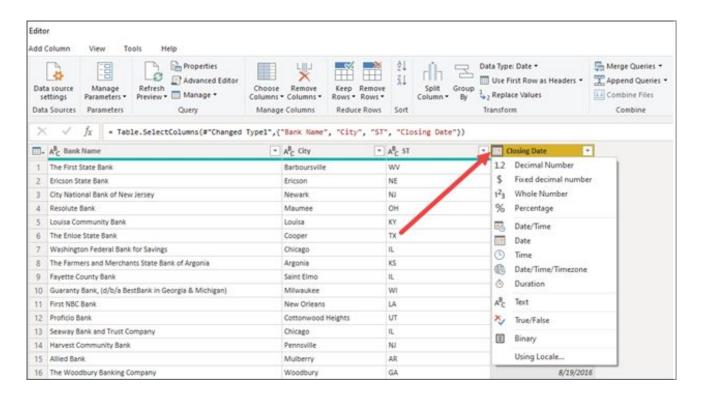


Remove Columns

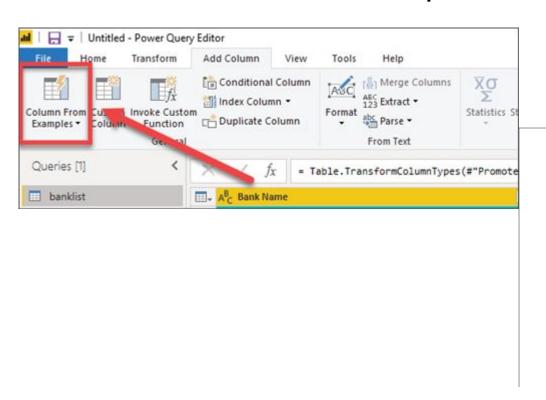


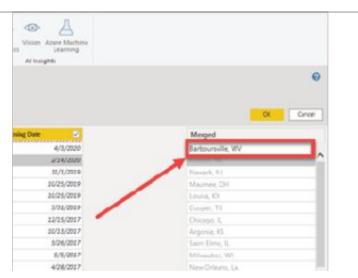
Quantitative or Qualitative Quantitative Qualitative Continuous Discrete **Binary** Ordinal Categorical Interval Ratio Count

Changing Data Types



Create Column from Examples





Advanced Data Transformations

Conditional Columns

Split Column by Delimiter

Specify the delimiter used to split the text column.

Select or enter delimiter

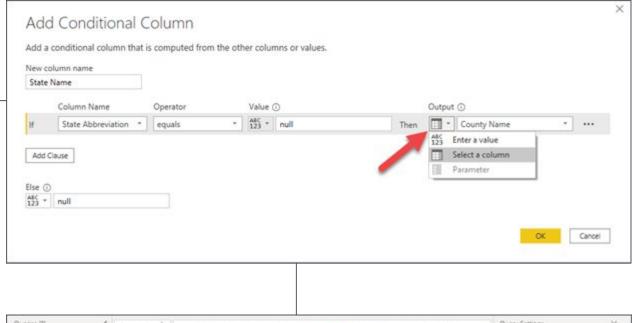
--Custom--

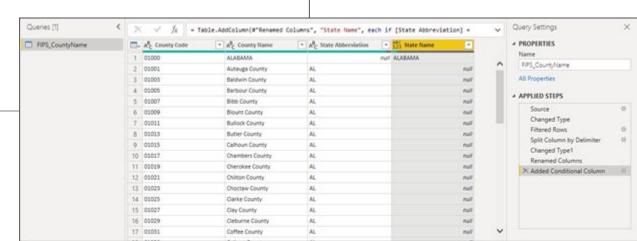
Split at
O Left-most delimiter

O Right-most delimiter

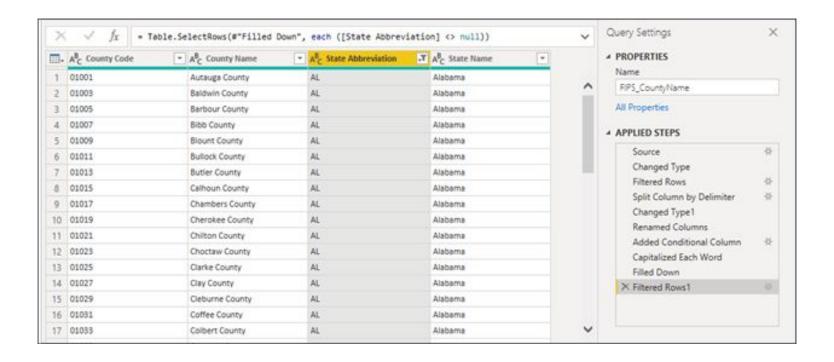
Each occurrence of the delimiter

Advanced options

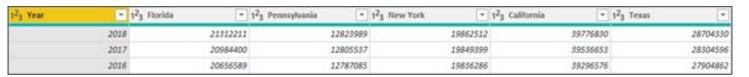




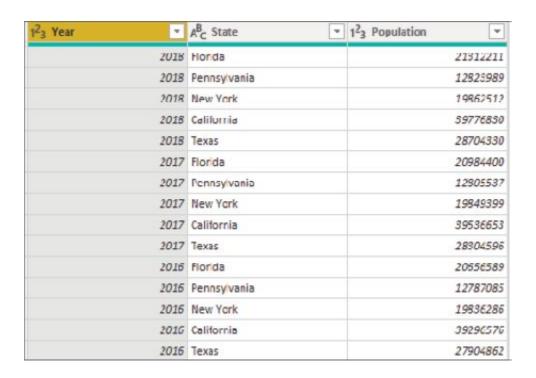
Fill Down



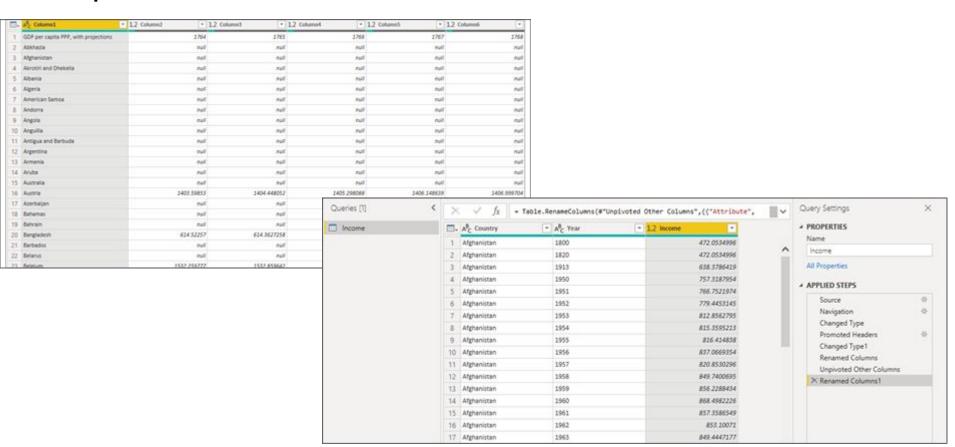
Unipivot

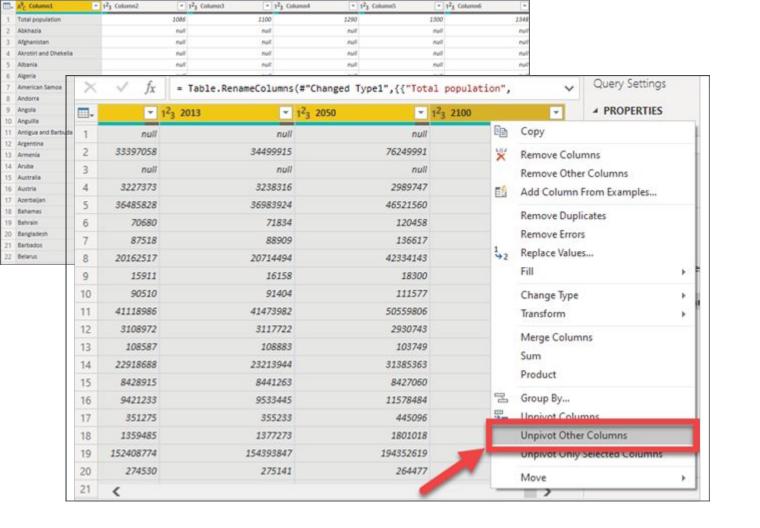


Unipivot



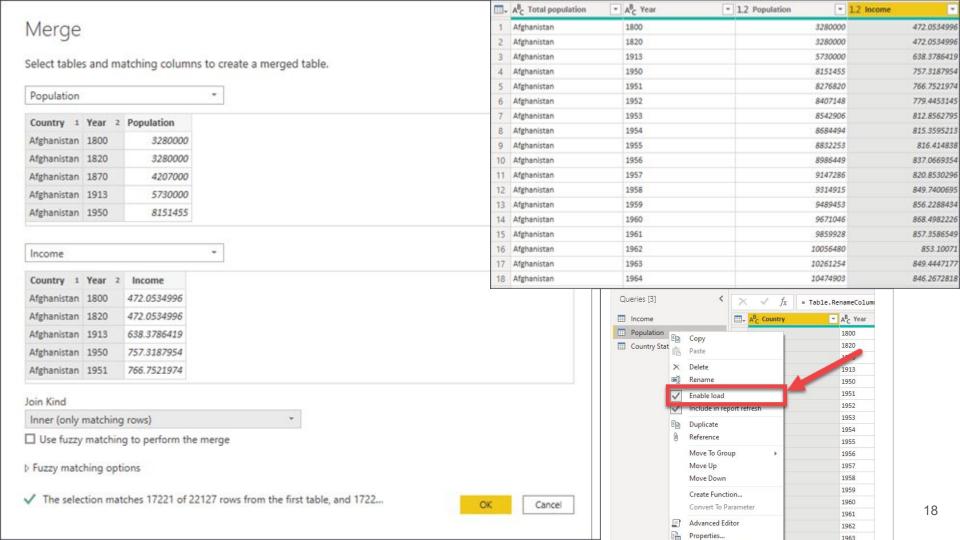
Unipivot



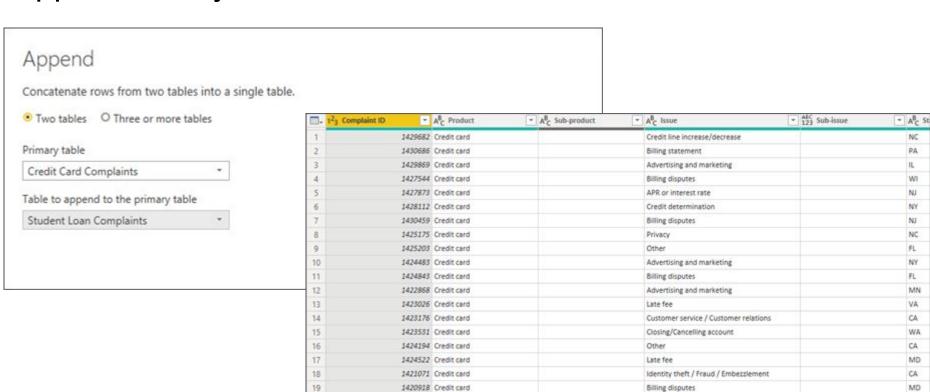


Merge Queries

- Left Outer (all rows from the first table, only matching rows from the second)
- Right Outer (all rows from the second table, only matching rows from the first)
- Full Outer (all rows from both tables)
- Inner (only matching rows from both tables)
- Left Anti (rows only in the first table)
- Right Anti (rows only in the second table)



Append Query



1420893 Credit card

1421027 Credit card

1421773 Credit card

1421915 Credit card

Payoff process

Transaction issue

Closing/Cancelling account

Customer service / Customer relations

OH

FL

MO

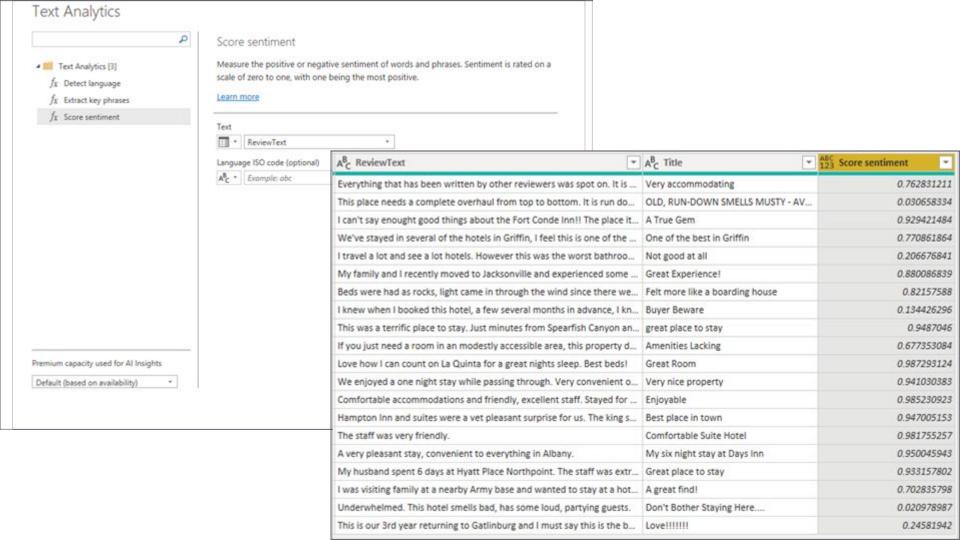
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Power BI and AI





Univariate Analysis

Bivariate Analysis

Correlation