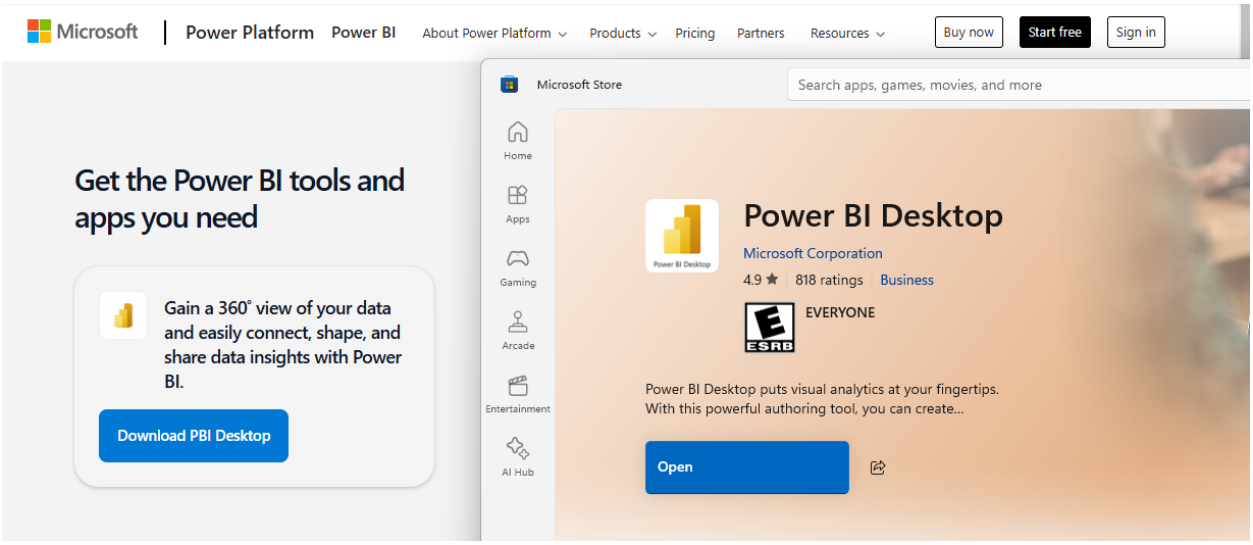
Document highlight:

- Tool installation
- Load and transform the dataset file
    - Data of Professional Working Class survey dataset sampling
- Various data cleanup activities:
    - Removing of empty columns
    - Split data value from a column (and move over into another column)
    - Make a column with a range of data and have it as an average (then do further cleanup of the column data)
    - Add custom column for an average salary (note to remove the other columns and just keep the new column)
- Build data visualization (using Power BI)
- Visualization dashboard

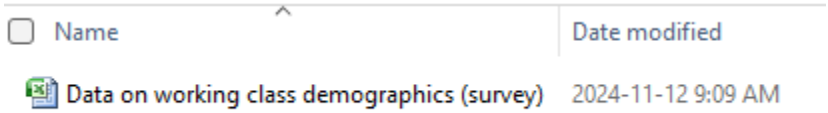
1. Tool installation

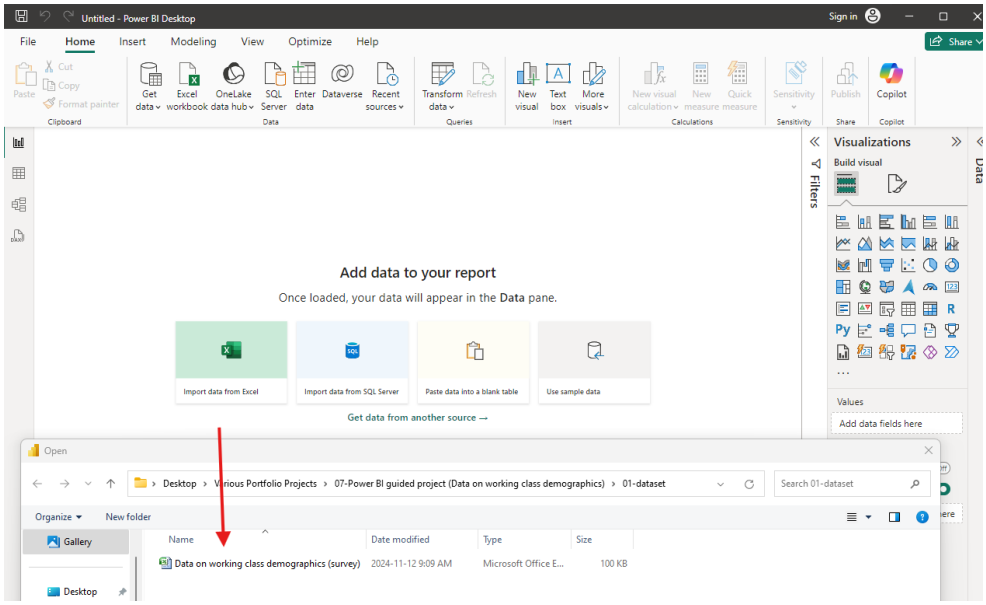
Download and install (follow installation guide):
https://www.microsoft.com/en-us/power-platform/products/power-bi/downloads

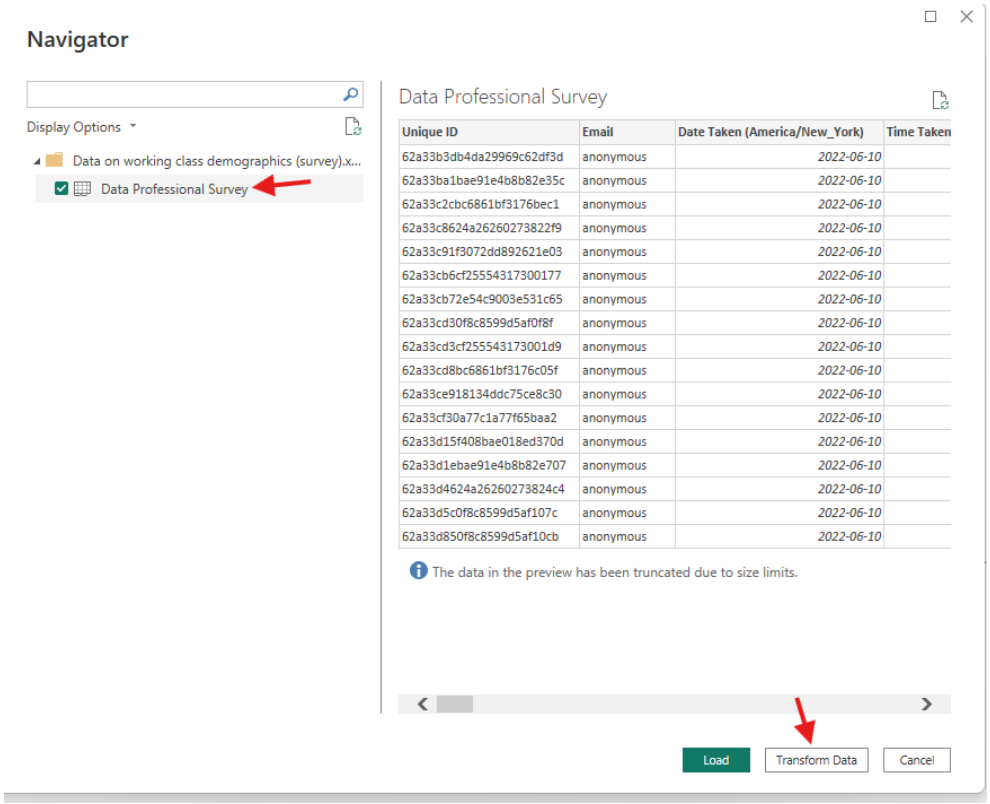


2. Load and transform the dataset file

Sampling dataset:






Navigator
Display Options
Data on working class demographics (survey).x...
Data Professional Survey
Data Professional Survey
Unique ID | Email | Date Taken (America/New_York) | Time Taken
62a33b3db4da29969c62df3d | anonymous | 2022-06-10
62a33ba1bae91e4b8b82e35c | anonymous | 2022-06-10
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62a33ce918134ddc75ce8c30 | anonymous | 2022-06-10
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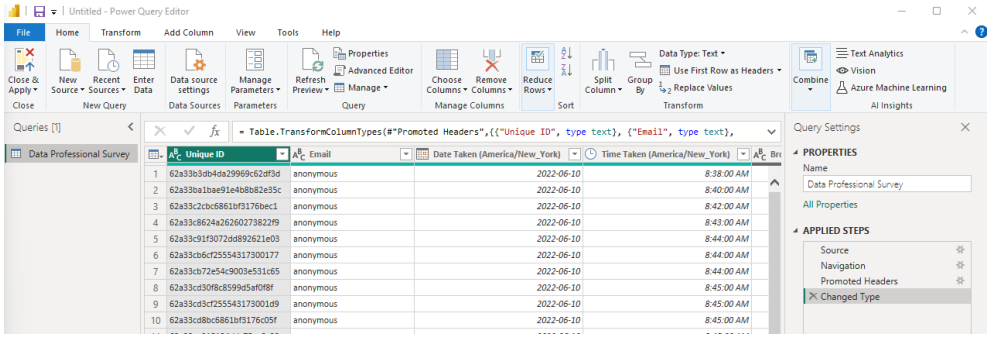
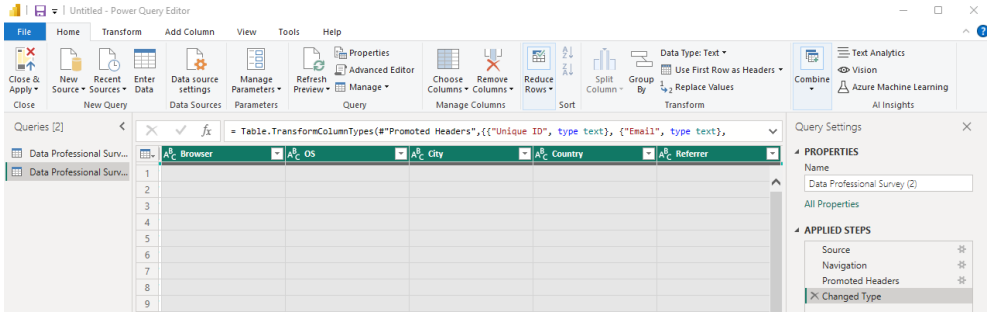
The data in the preview has been truncated due to size limits.
Load
Transform Data
Cancel

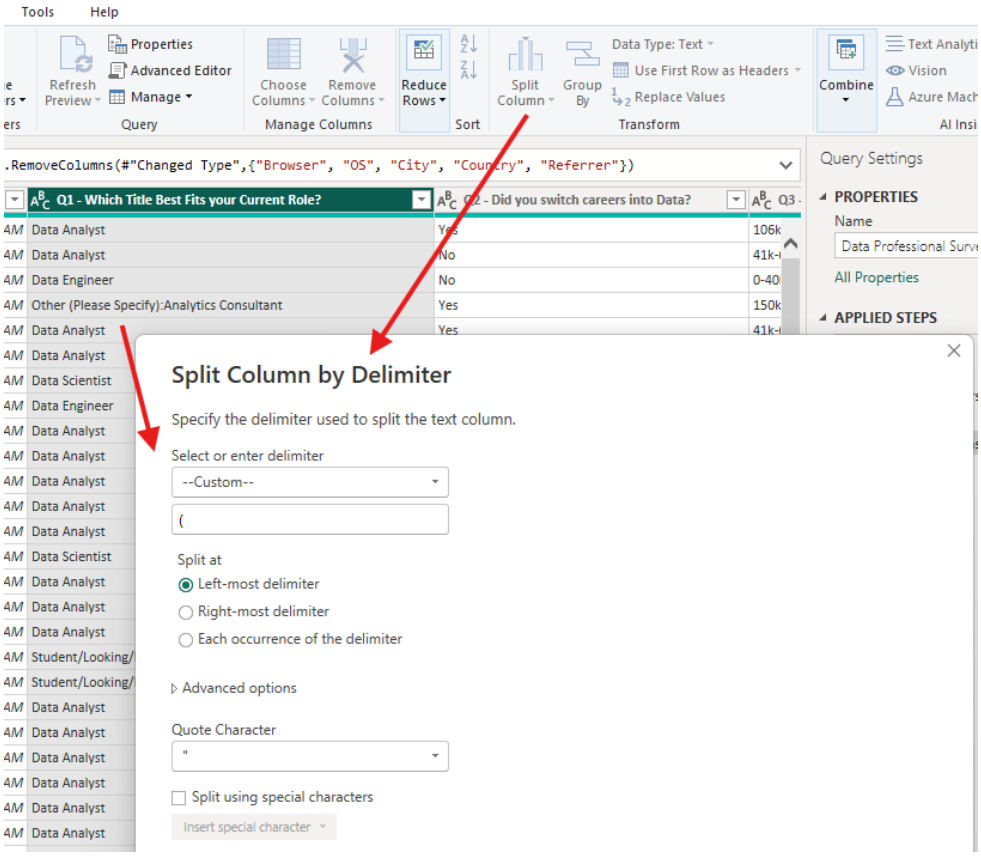

Untitled - Power Query Editor
File
Home
Transform
Add Column
View
Tools
Help
Queries [1]
Data Professional Survey
Query Settings
PROPERTIES
Name
Data Professional Survey
All Properties
APPLIED STEPS
Source
Navigation
Promoted Headers
Changed Type

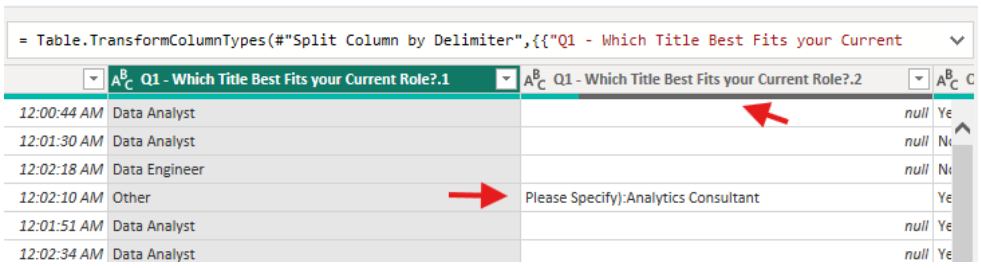
3. Various data cleanup activities

Removing of empty columns



Split data value from a column (and move over into another column)



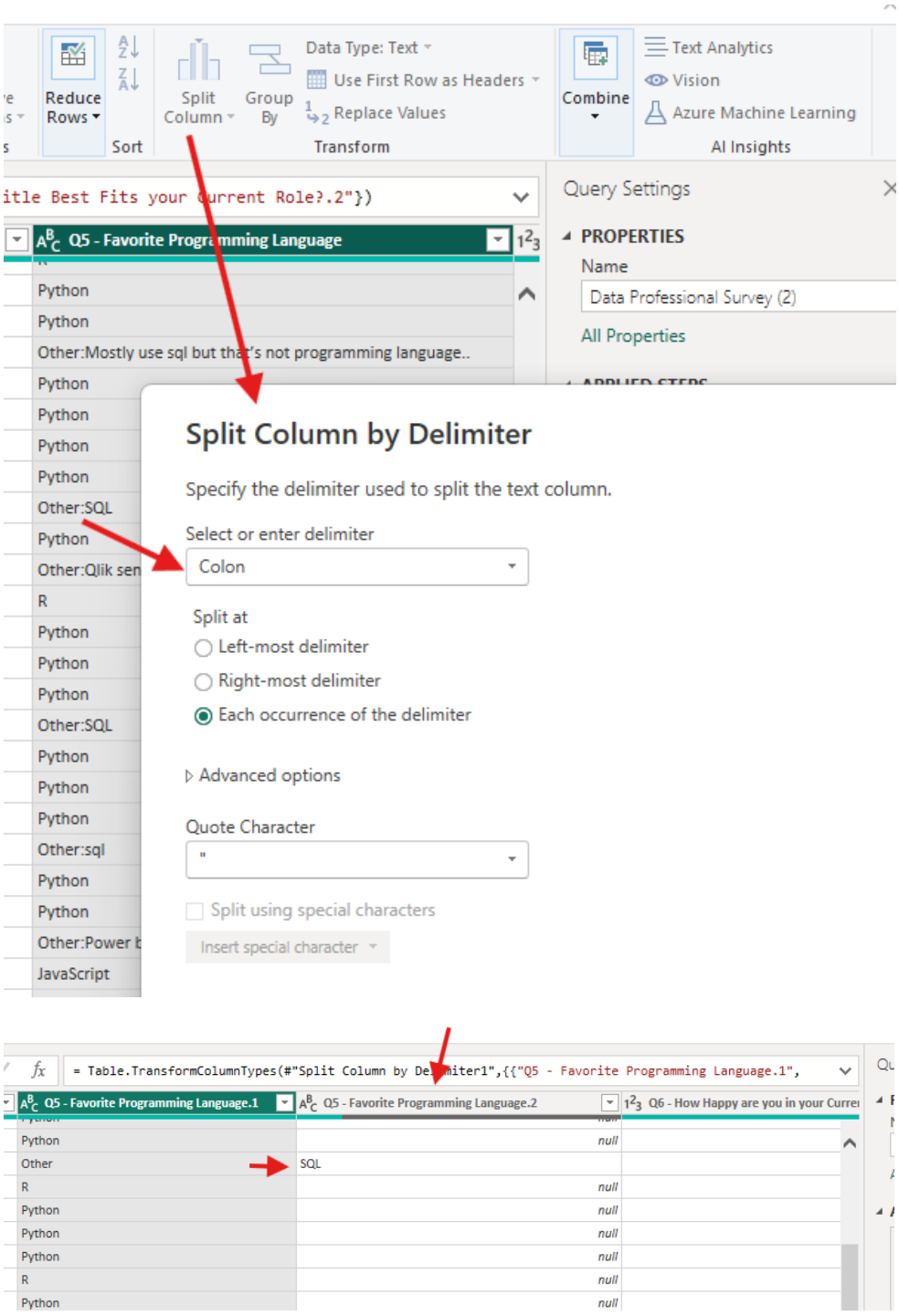


Run it for other columns with similar data values

```
= Table.TransformColumnTypes(#"Split Column by Delimiter2",{{"Q11 - Which Country
```

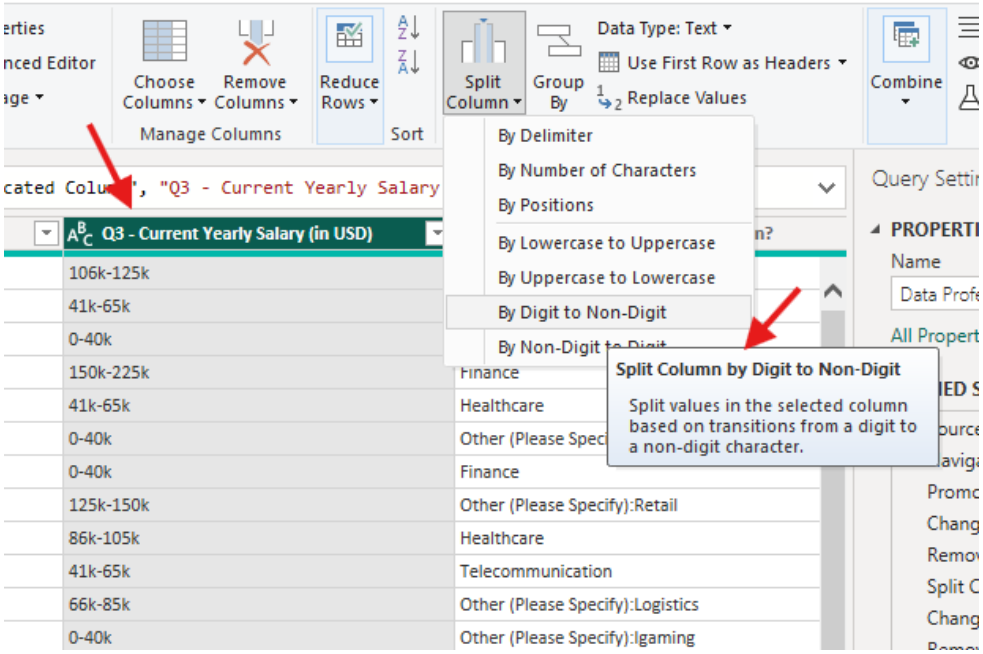
	Q11 - Which Country do you live in?.1	Q11 - Which Country do you live in?.2
26	United States	null
36	Canada	null
23	Other	Please Specify):Nigeria
35	Canada	null
44	United States	null
33	Other	Please Specify):Republic democratic of Congo
24	Other	Please Specify)
35	United States	null
35	United States	null
28	United States	null
37	Canada	null
32	Other	Please Specify):Serbia
34	Other	Please Specify):Argentina
30	United Kingdom	null
31	United States	null
29	United States	null
22	Other	Please Specify):Niger
23	United States	null

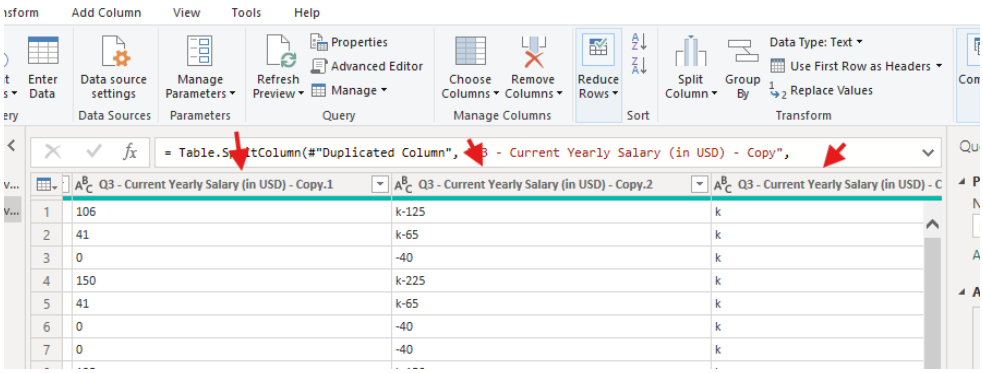
Q4 - What Industry do you work in?.1	Q4 - What Industry do you work in?.2	
Other	Please Specify):Coworking space	Py
Finance	null	Py
Other	Please Specify):Retail	Ot
Healthcare	null	R
Telecommunication	null	Py
Other	Please Specify):Logistics	Py
Other	Please Specify):Igaming	Py
Tech	null	R
Education	null	Py
Construction	null	R

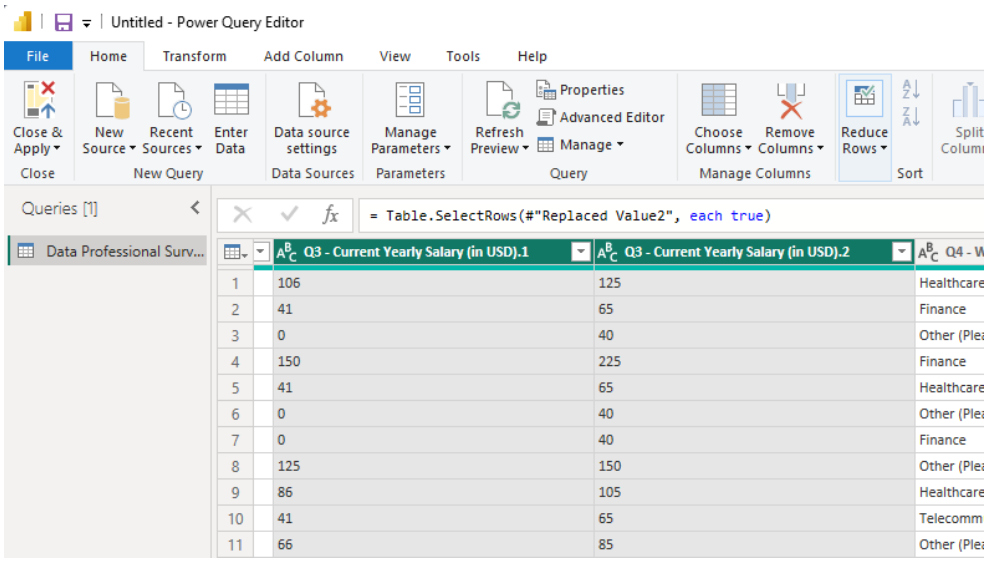

Reduce Rows
Sort
Split Column
Group By
Data Type: Text
Use First Row as Headers
Replace Values
Transform
Combine
Text Analytics
Vision
Azure Machine Learning
AI Insights
Query Settings
PROPERTIES
Name
Data Professional Survey (2)
All Properties
Q5 - Favorite Programming Language
Python
Other:Mostly use sql but that's not programming language..
Other:SQL
Other:Qlik sen
R
Other:sql
Other:Power b
JavaScript
Split Column by Delimiter
Specify the delimiter used to split the text column.
Select or enter delimiter
Colon
Split at
Left-most delimiter
Right-most delimiter
Each occurrence of the delimiter
Advanced options
Quote Character
"
Split using special characters
Insert special character

= Table.TransformColumnTypes(#"Split Column by Delimiter1",{{"Q5 - Favorite Programming Language.1",
Q5 - Favorite Programming Language.1
Q5 - Favorite Programming Language.2
Q6 - How Happy are you in your Curre
Python
null
Other
SQL
R
null
Python
null
Python
null
Python
null
R
null
Python
null

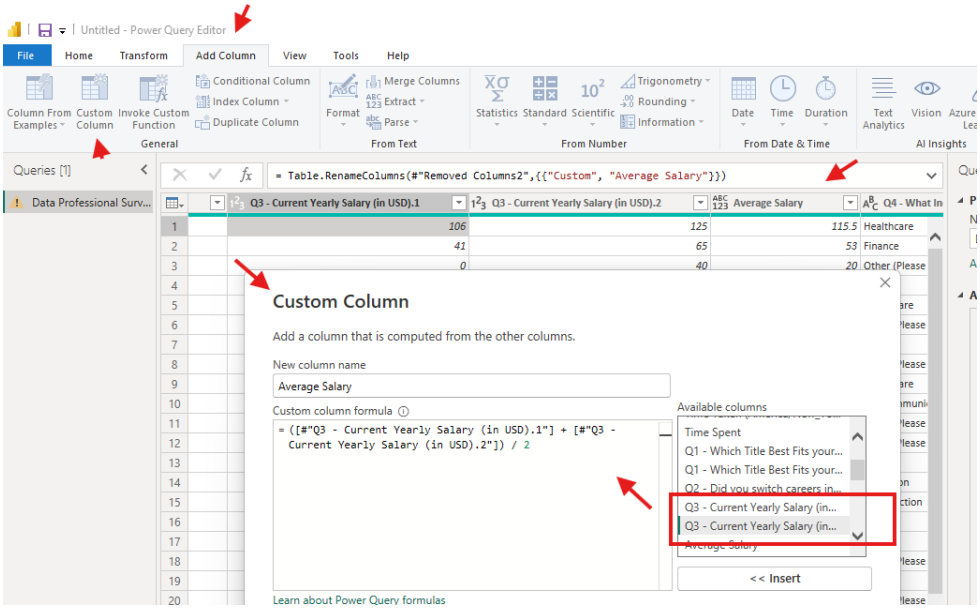
Make a column with a range of data and have it as an average (then do further cleanup of the column data)

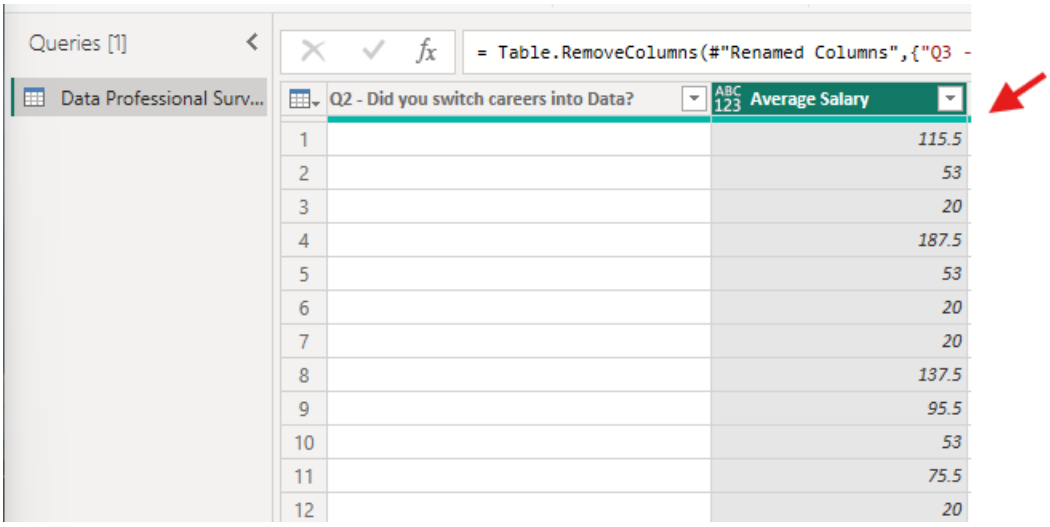




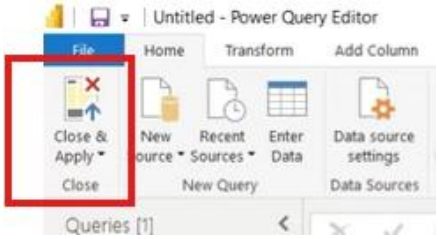


Add custom column for an average salary (note to remove the other columns and just keep the new column)

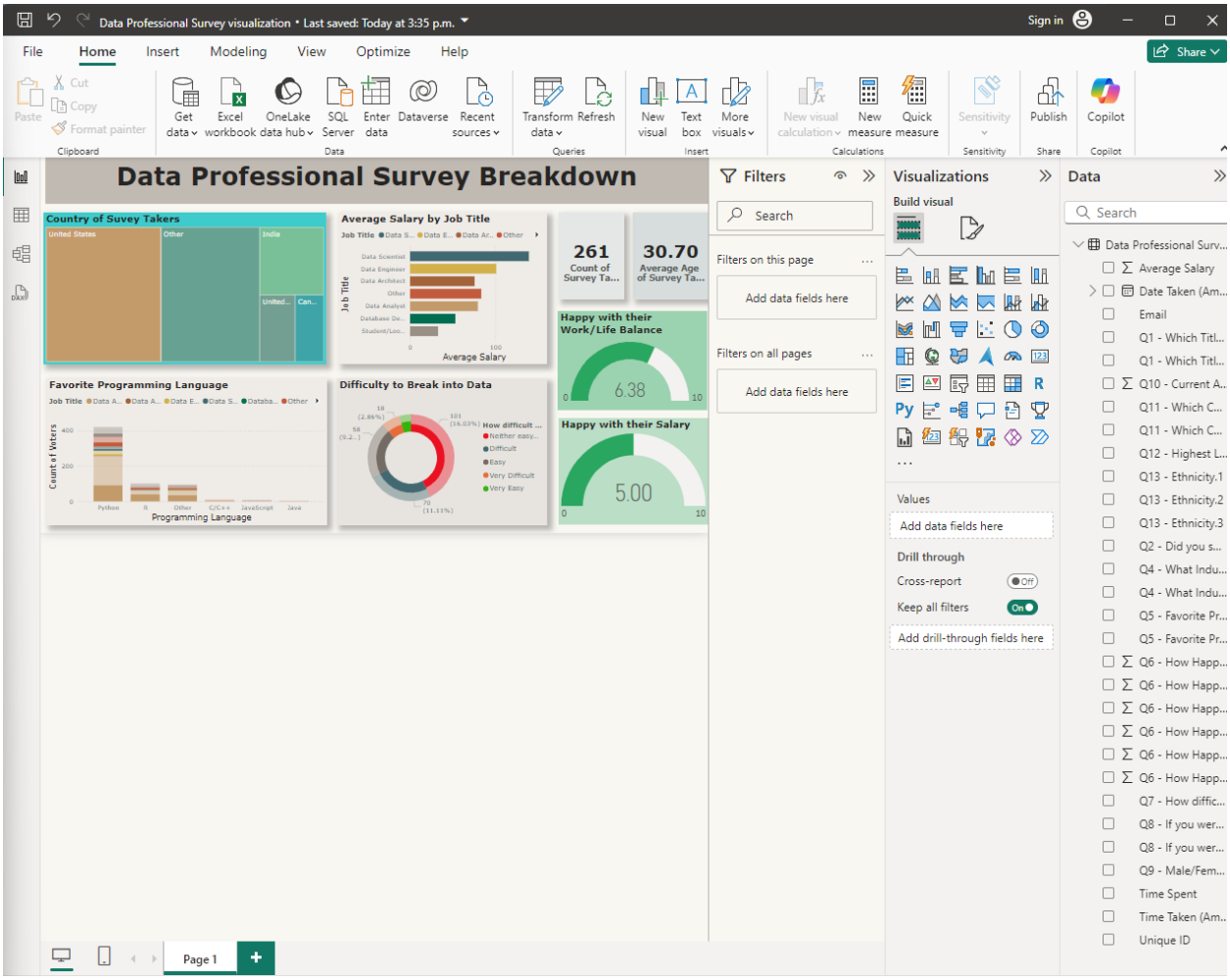




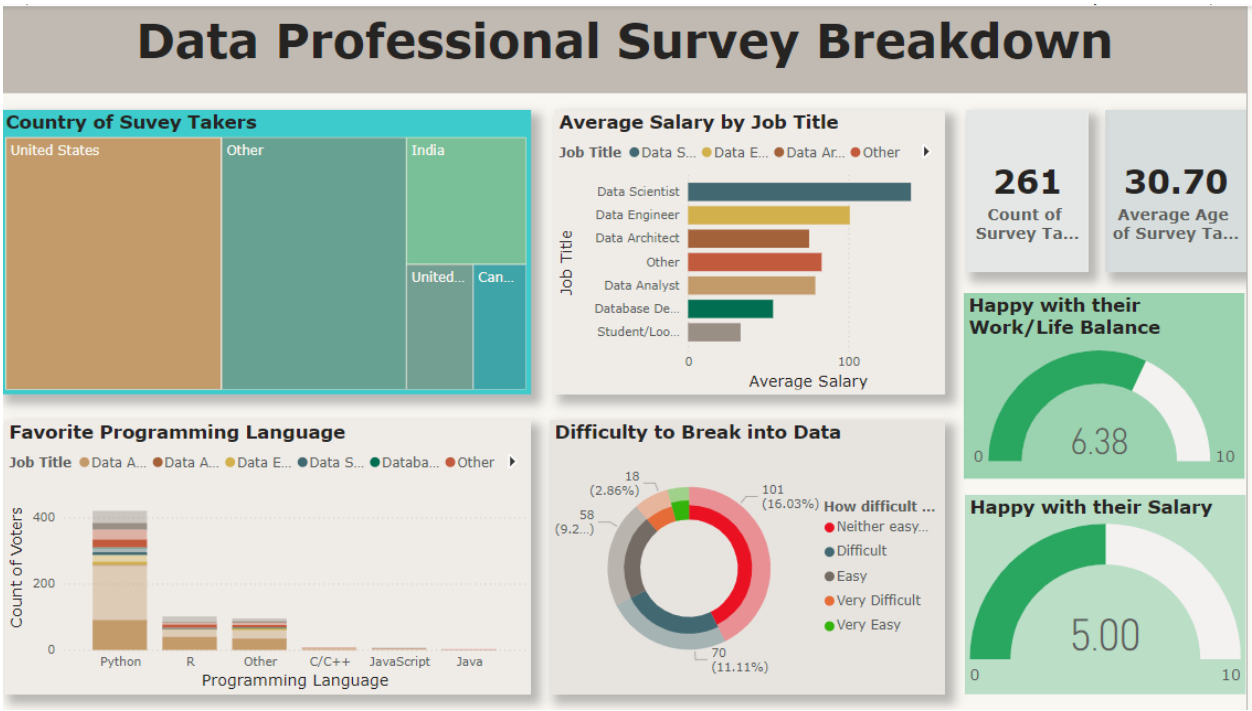
When done, close and apply



4. Build data visualization



5. Visualization dashboard



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