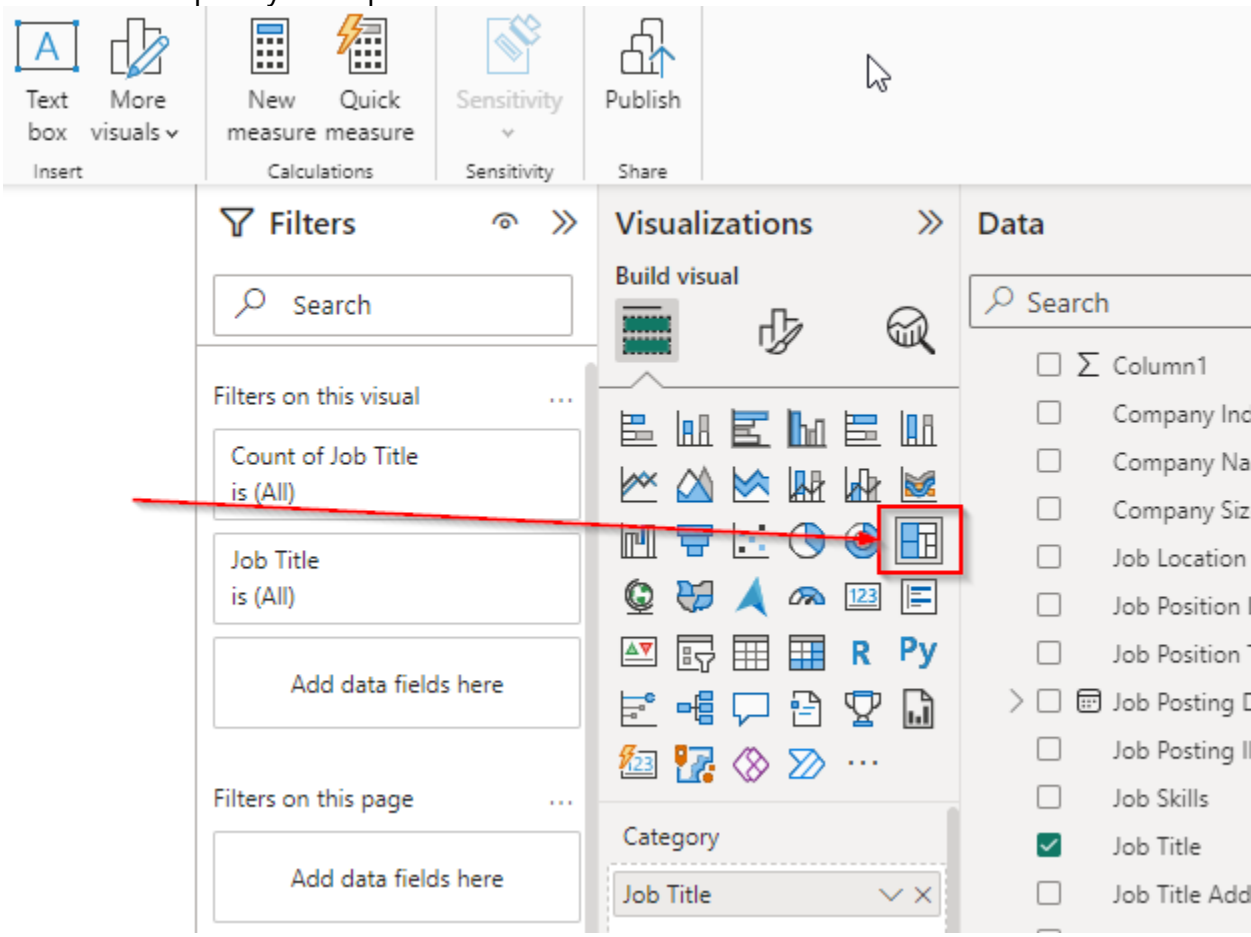
Data Analytics Day Exercise

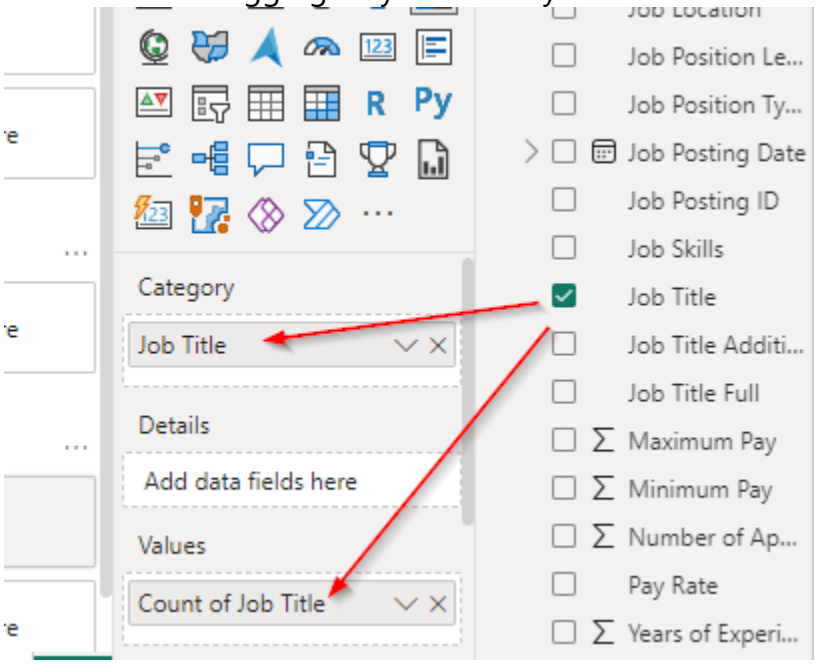
Here's a step-by-step guide to help you achieve this with the updated field names in Power BI:

1. **Load Your Data into Power BI (If you have the Dashboard open then the data is loaded)**:
    - Open Power BI Desktop.
    - Click on "Get Data" and select "CSV".
    - Navigate to the location of your `job_postings.csv` file and open it.
    - Load the data into Power BI by clicking "Load" once the data has been previewed.
2. **Create a Treemap Visualization**:
    - In the report view, on the right side, you will find the Visualizations pane.
    - Select the "Treemap" visualization by clicking on its icon. This will create a blank Treemap on your report canvas.



3. **Configure the Treemap**:

- Drag the 'Job Title' field (or however it's named in your dataset) to the 'Group' or "Categories" section of the Treemap's fields pane. This will tell Power BI to group your data based on the unique values in the 'Job Title' column.
- To count the job titles, you'll want to add an aggregation. If Power BI doesn't automatically count the job titles for you, drag the 'Job Title' field again into the 'Values' section. Click on the dropdown arrow next to the field in the Values section and select "Count" as the aggregation instead of "Sum". This will aggregate your data by the count of each unique job title.



4. **Adjust the Details and Tooltips**:
    - If you want to add more context to the blocks in your Treemap, you can drag additional fields to the 'Details' and 'Tooltips' sections. 'Details' can provide additional grouping layers, and 'Tooltips' will display more information when you hover over a particular block in the Treemap.

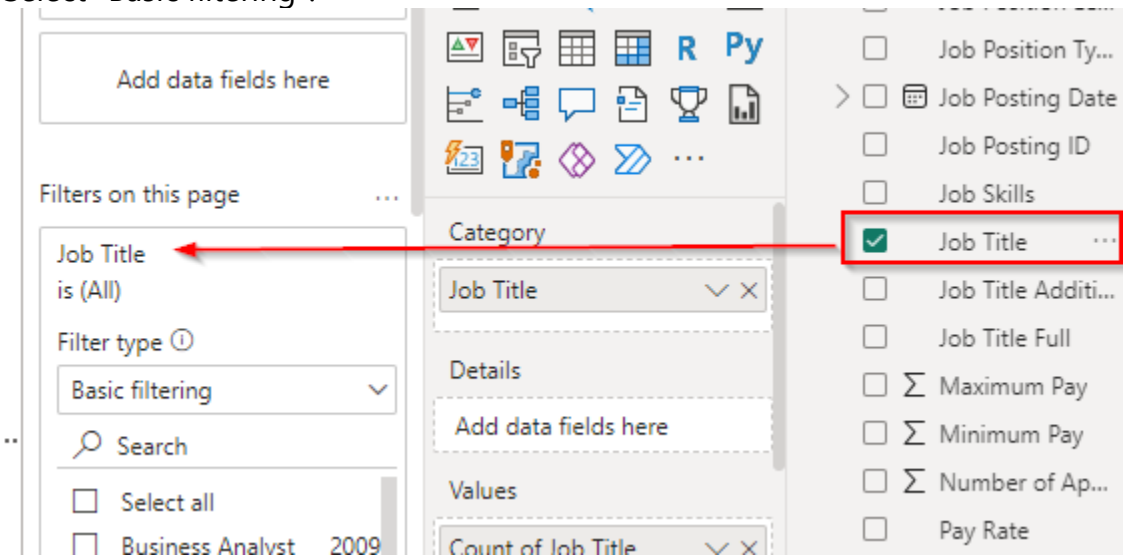
The terms 'Category', 'Details', 'Values', and 'Tooltips' correspond to different parts of the Treemap:

- **Category**: This is where you define the main categories for your Treemap. Each category will be a block in the Treemap.
- **Details**: This allows you to add more granularity to the blocks. For example, if you were to drag 'Department' here, each 'Job Title' block could be subdivided by 'Department'.
- **Values**: This section is for the measure or calculation that determines the size of each block in the Treemap. This is where you would use the 'Count' of 'Job Title'.

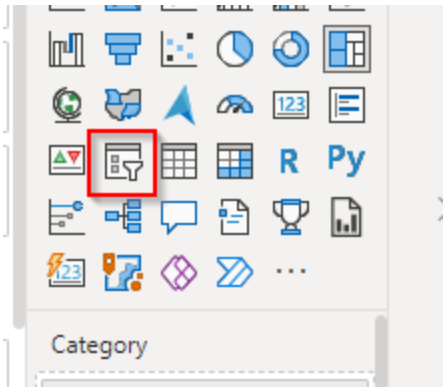
- **Tooltips**: These are additional pieces of information that will show up when you hover over a block in the Treemap.

To filter your Treemap visualization in Power BI to just include "Data Scientist", "Business Analyst", "Data Analyst", and "Data Engineer" job titles, you can follow these steps:

1. **Apply a Filter to the Visual**:
    - Click on the Treemap visualization you've created to make it active.
    - In the Visualizations pane, you'll find the Filters pane below the Fields pane.
    - Drag the 'Job Title' field into the Filters pane.
    - In the Filters pane, you will see the 'Job Title' field. Click on the down arrow to expand the filter options.
    - Select "Basic filtering".



    - Check the boxes next to "Data Scientist", "Business Analyst", "Data Analyst", and "Data Engineer". This will filter the visualization to only include these job titles.
2. **Apply a Page or Report Level Filter**:
    - If you want this filter to apply to multiple visuals on the same page or the entire report, drag the 'Job Title' field into the Page level or Report level filters section, respectively.
    - Follow the same steps as above to select the specific job titles you want to include.
3. **Use Slicer**:
    - Alternatively, if you want users to dynamically choose job titles, you can use a slicer.
    - In the Visualizations pane, select the "Slicer" visualization.



- Drag the 'Job Title' field into the Field section of the slicer.
- In the slicer settings, select "List" and then manually check the boxes for "Data Scientist", "Business Analyst", "Data Analyst", and "Data Engineer".

QUESTIONS:

You can now create a Treemap.

What insights can you pull from this data in general and this Treemap in particular?

Create a new Treemap and slice and dice the data and look for more insights!