

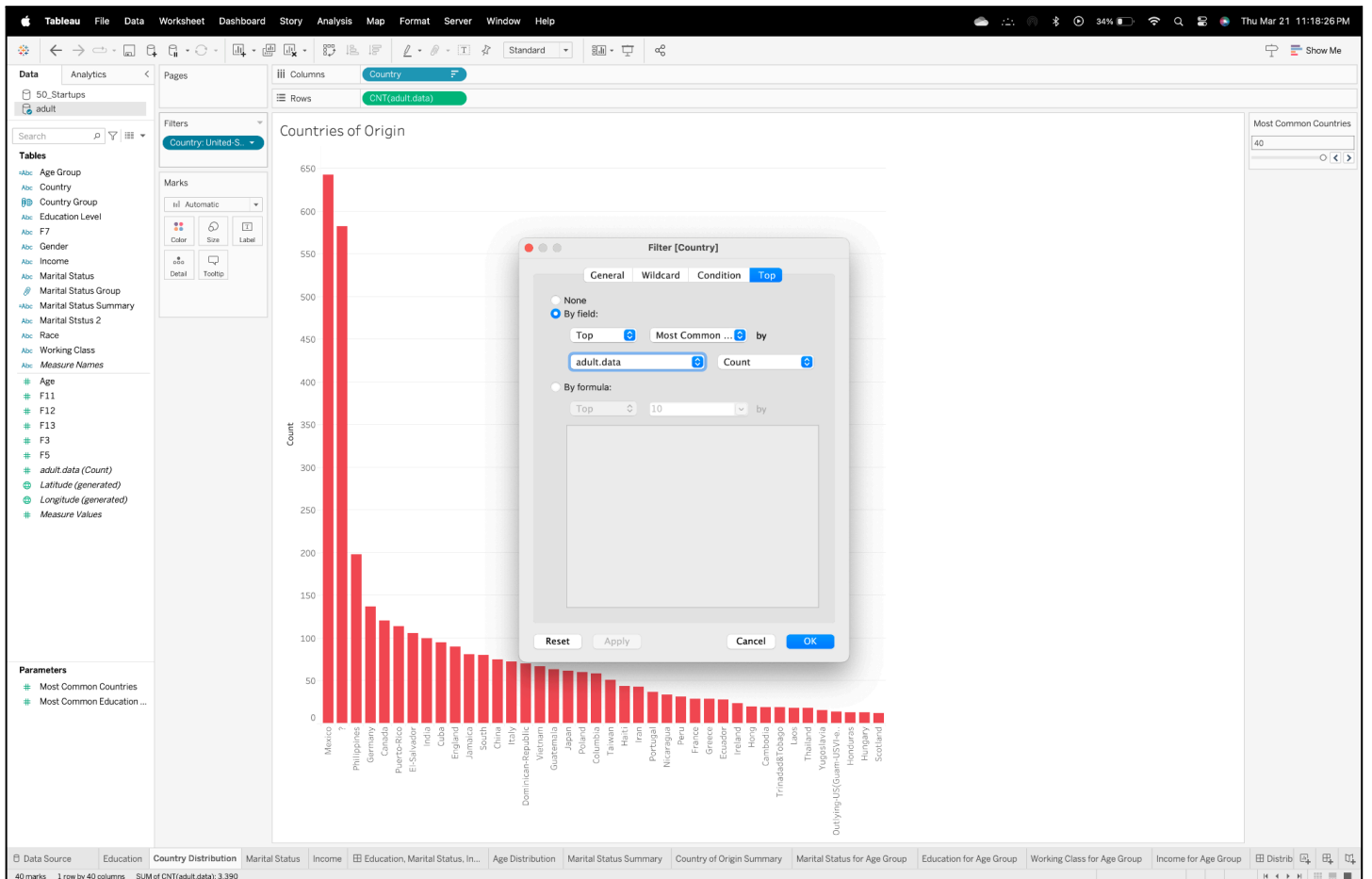
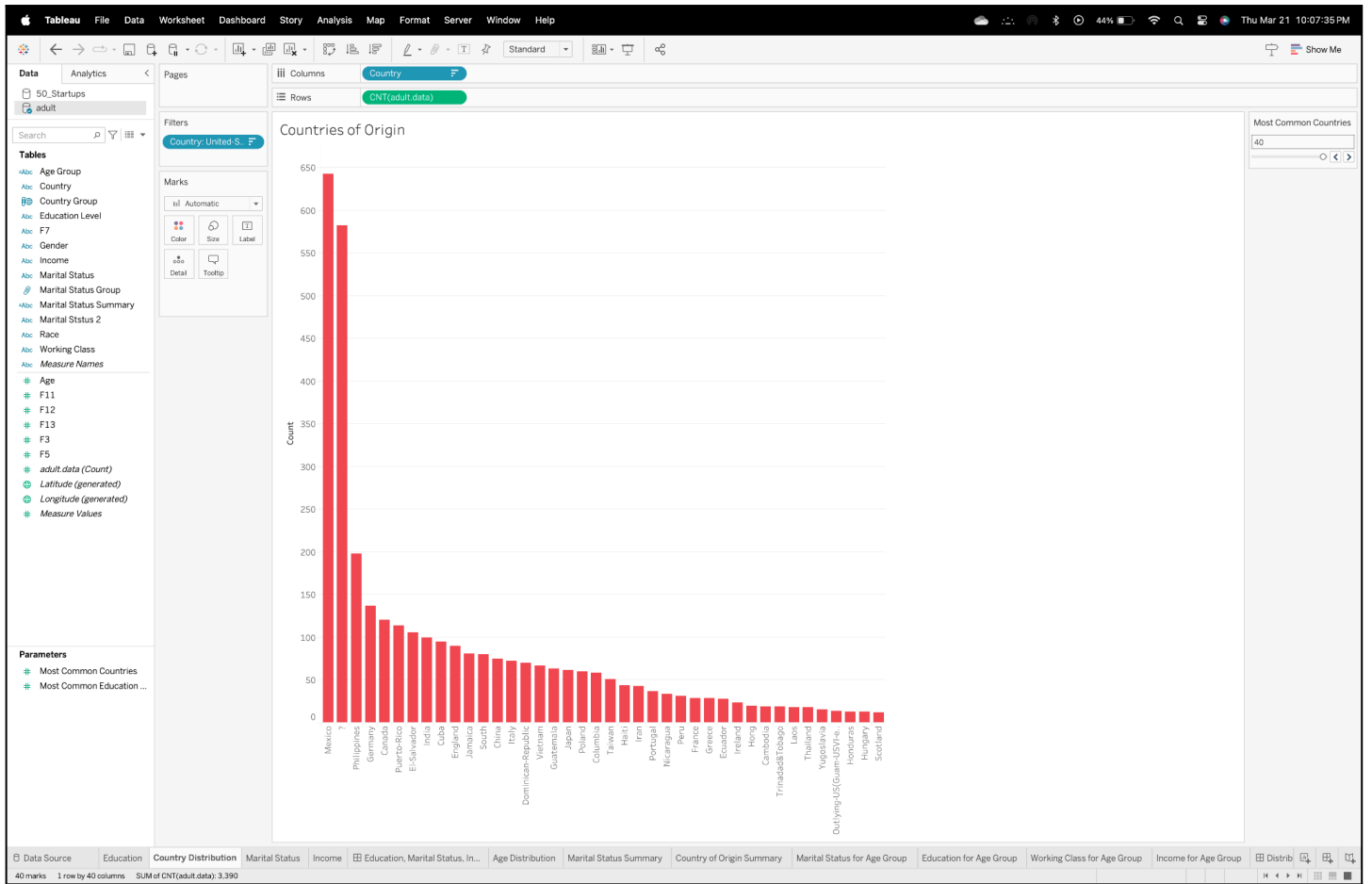
Assignment - 8

Classwork Activities

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03/21/2024

ACTIVITY - 1



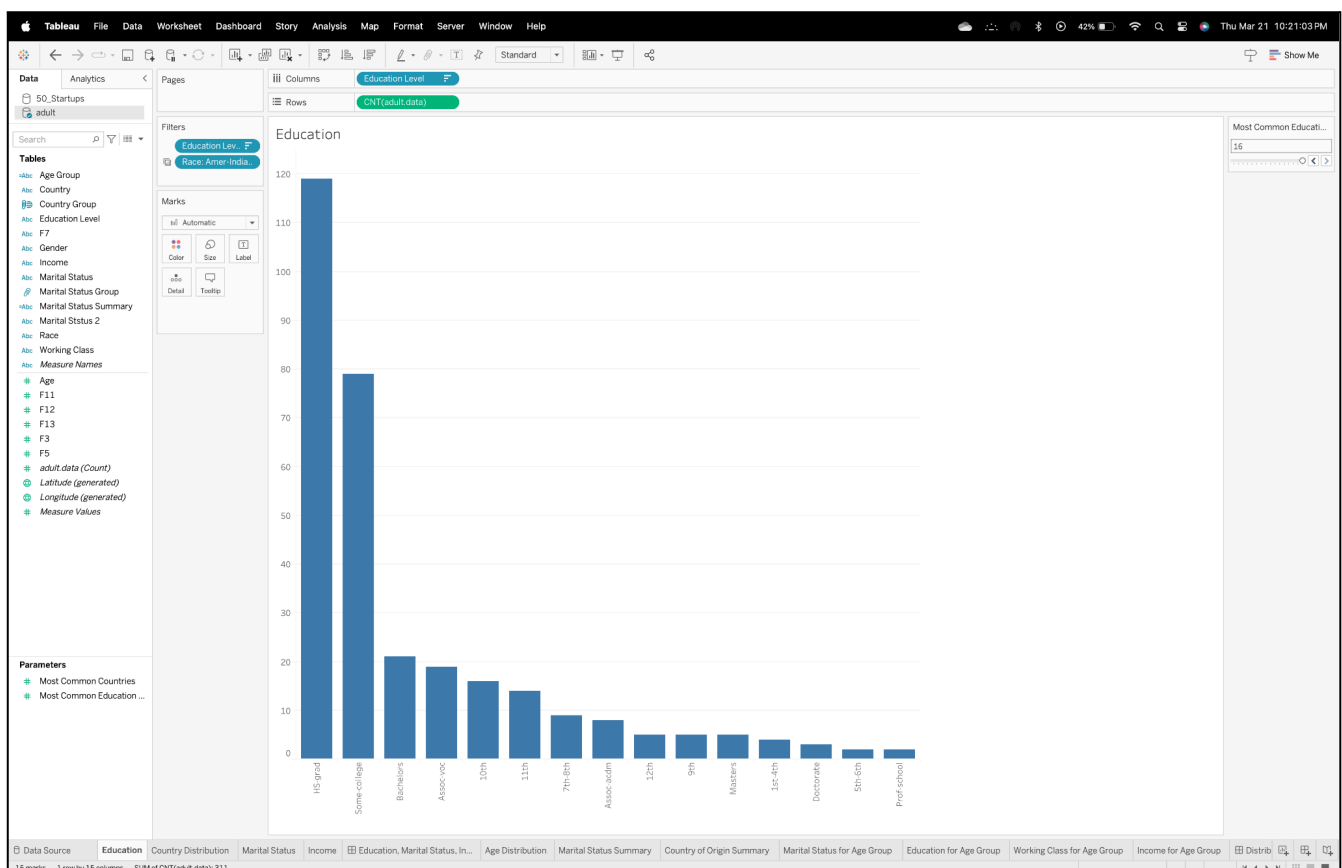
Explanation: We utilized data on countries and counts to construct a bar chart. The country dataset was used in the columns, while the count dataset was used in the rows. We employed the Top-N filter as the chart's parameter, with the inputs for the filter provided in the screenshot below. This filter will enable the user to view the number of countries on the screen.

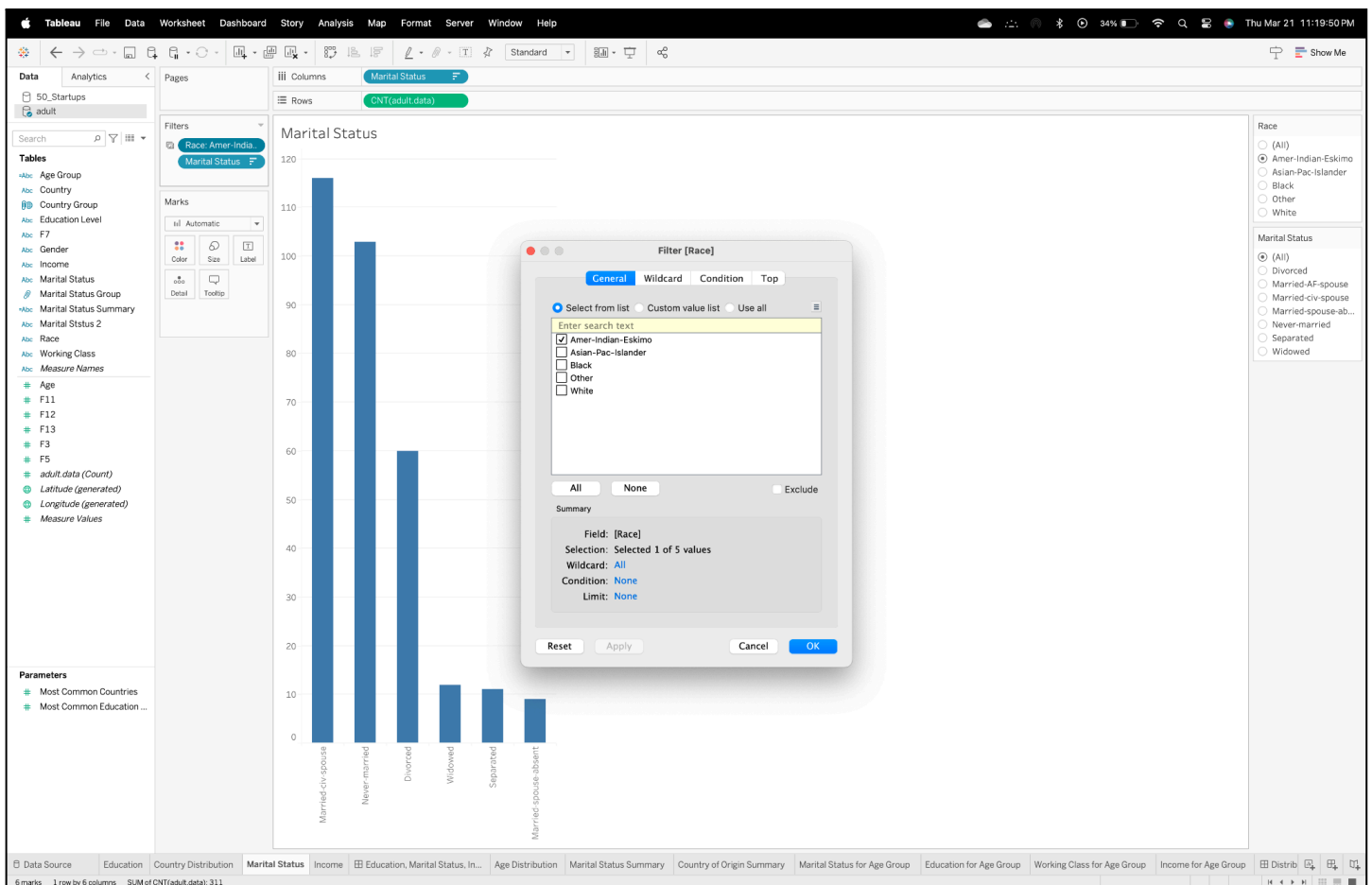
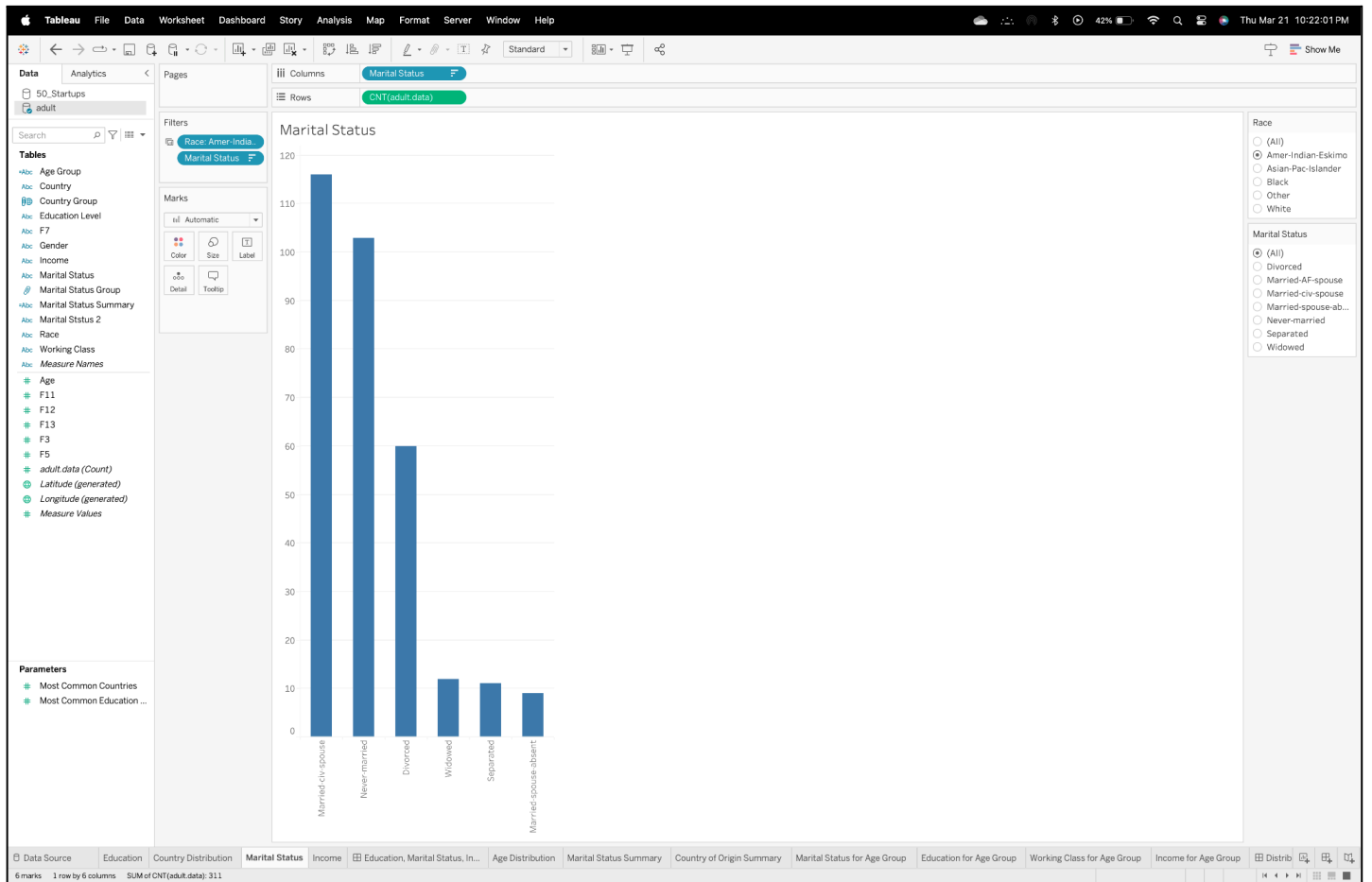
- Start by right-clicking in the blank area on the left-side panel to initiate the creation of a parameter.
- Choose the option “create parameter.”
- Assign a name to the parameter, such as “Select Top-N Countries.”
- Set the permissible values as per the requirements, and establish the minimum and maximum limits.
- Proceed to the “country” tab and click on the dropdown menu located in the columns.
- Select “edit filter” and set up the parameter linkage as depicted in the given screenshot.
- You can then pick the required value from the right-hand side as per your needs.

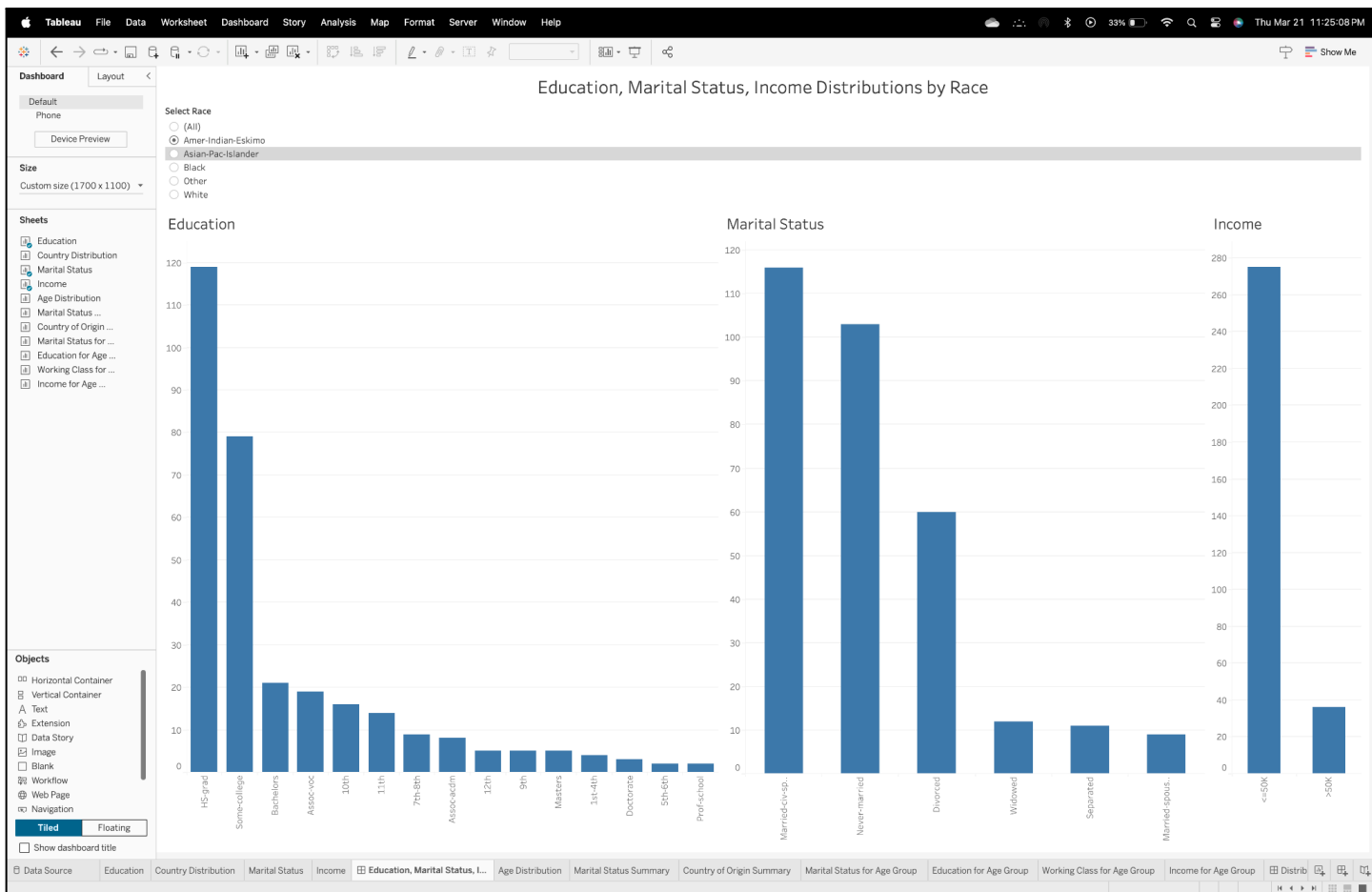
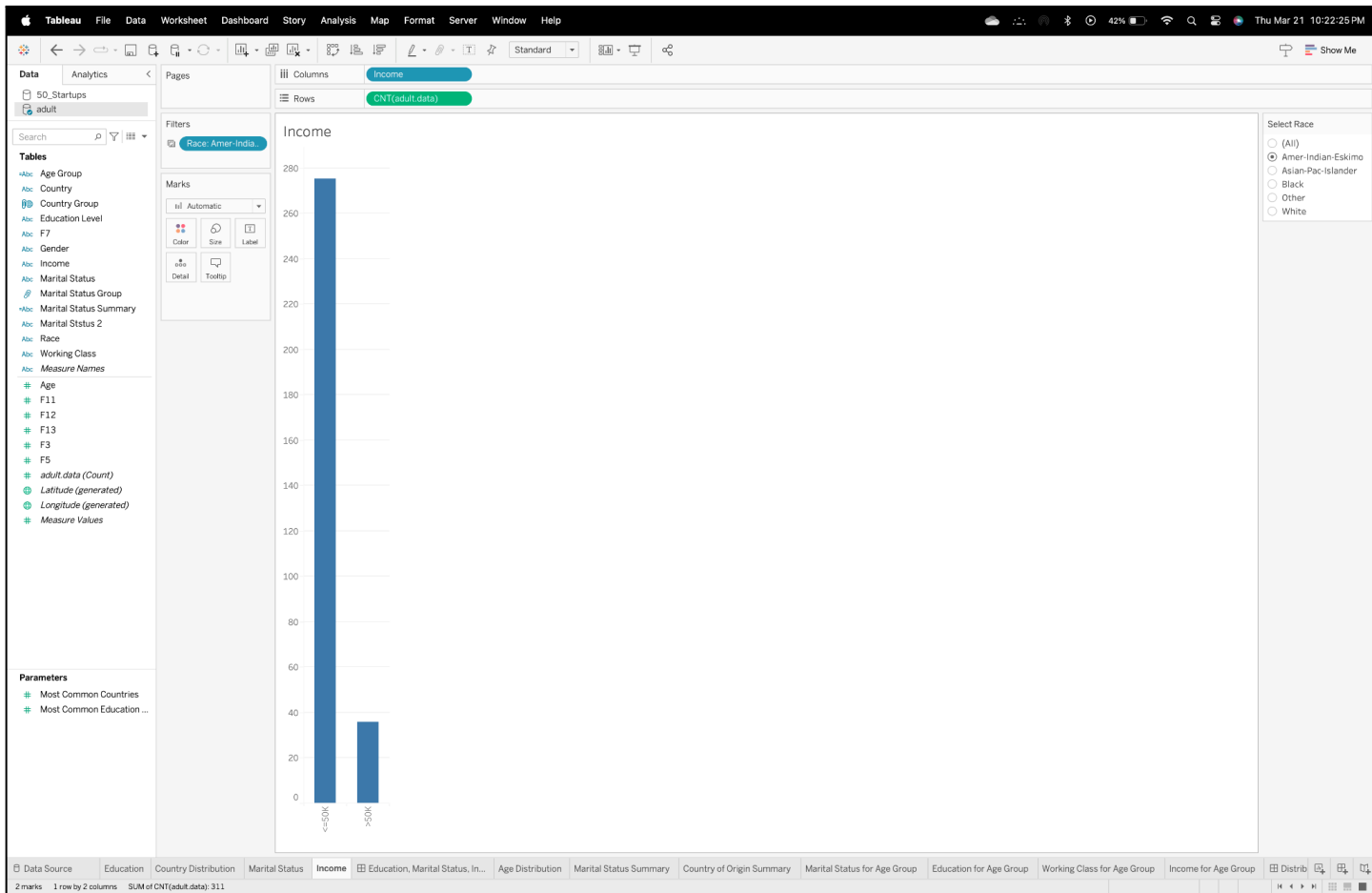
Data Ink Maximization:

- The Y-Axis has been removed.
- Numerical values have been placed directly on the bars.
- Any superfluous labels have been discarded.
- The color intensity has been reduced, and the size of the bars has been minimized.

ACTIVITY - 2







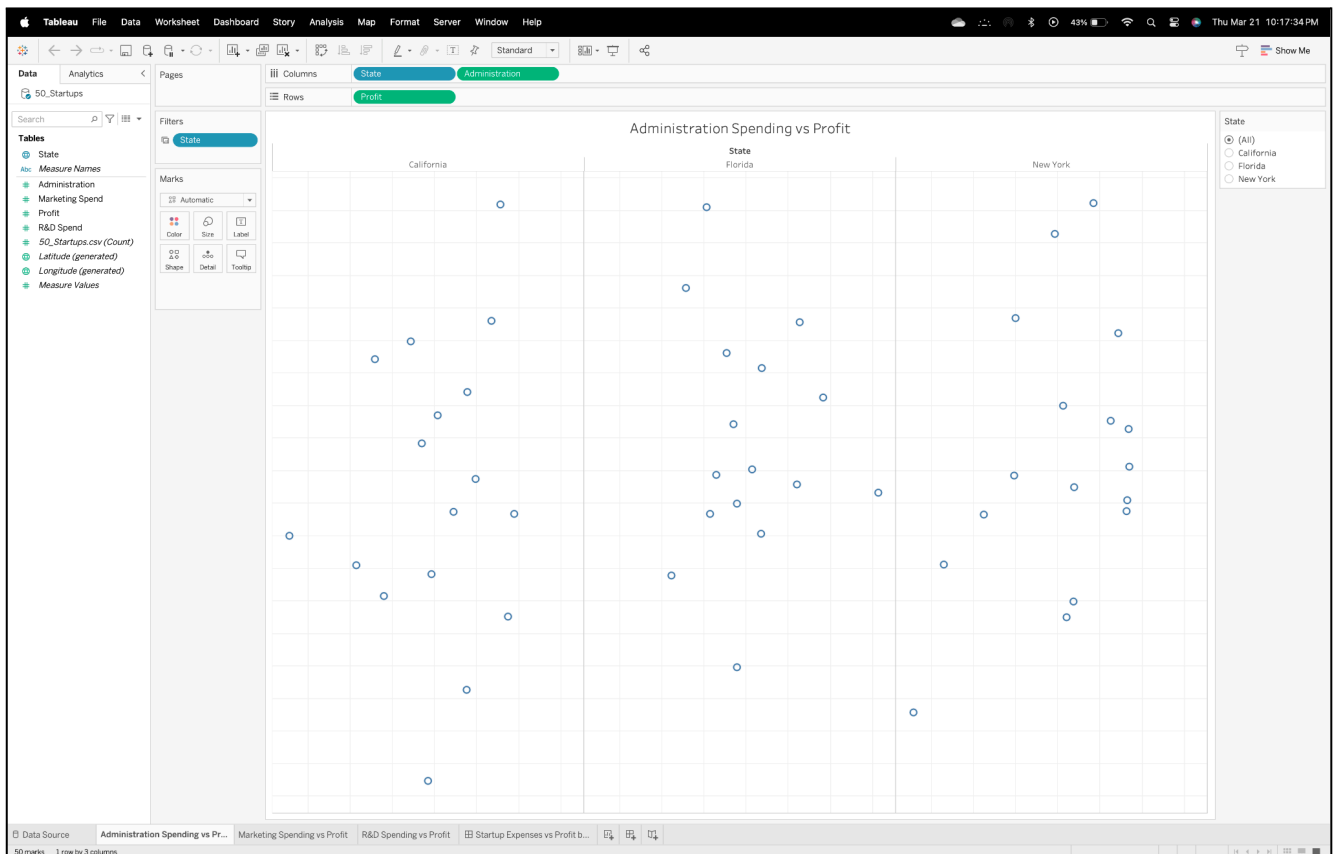
Explanation: In this case, we utilized a multi-bar chart with various categories such as Education, Income Distribution, and Marital Status by Race. We applied the Filter Multiple View, which allows us to view the bar chart by selecting different types of races. The settings for this parameter are provided in the filter below.

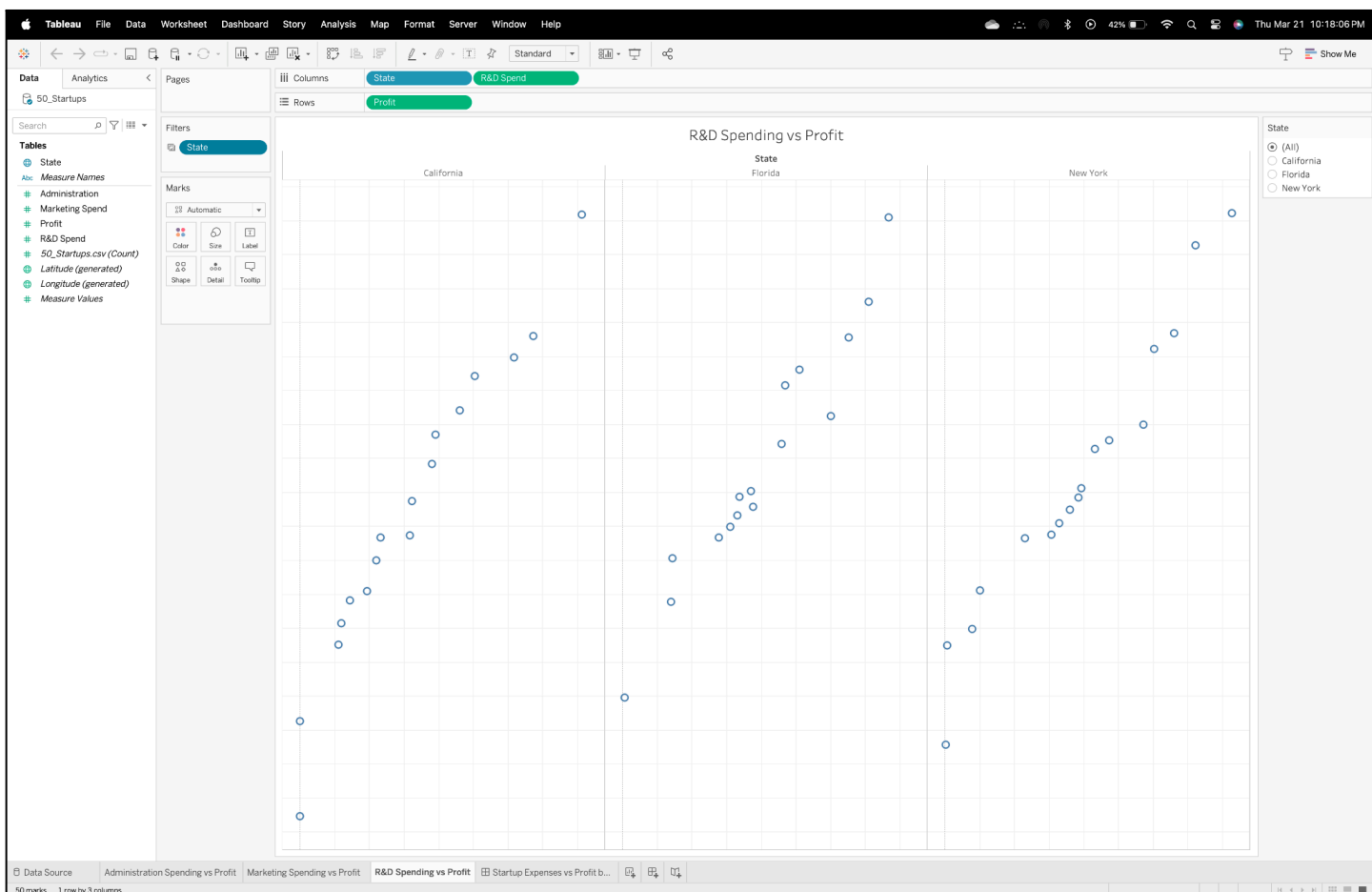
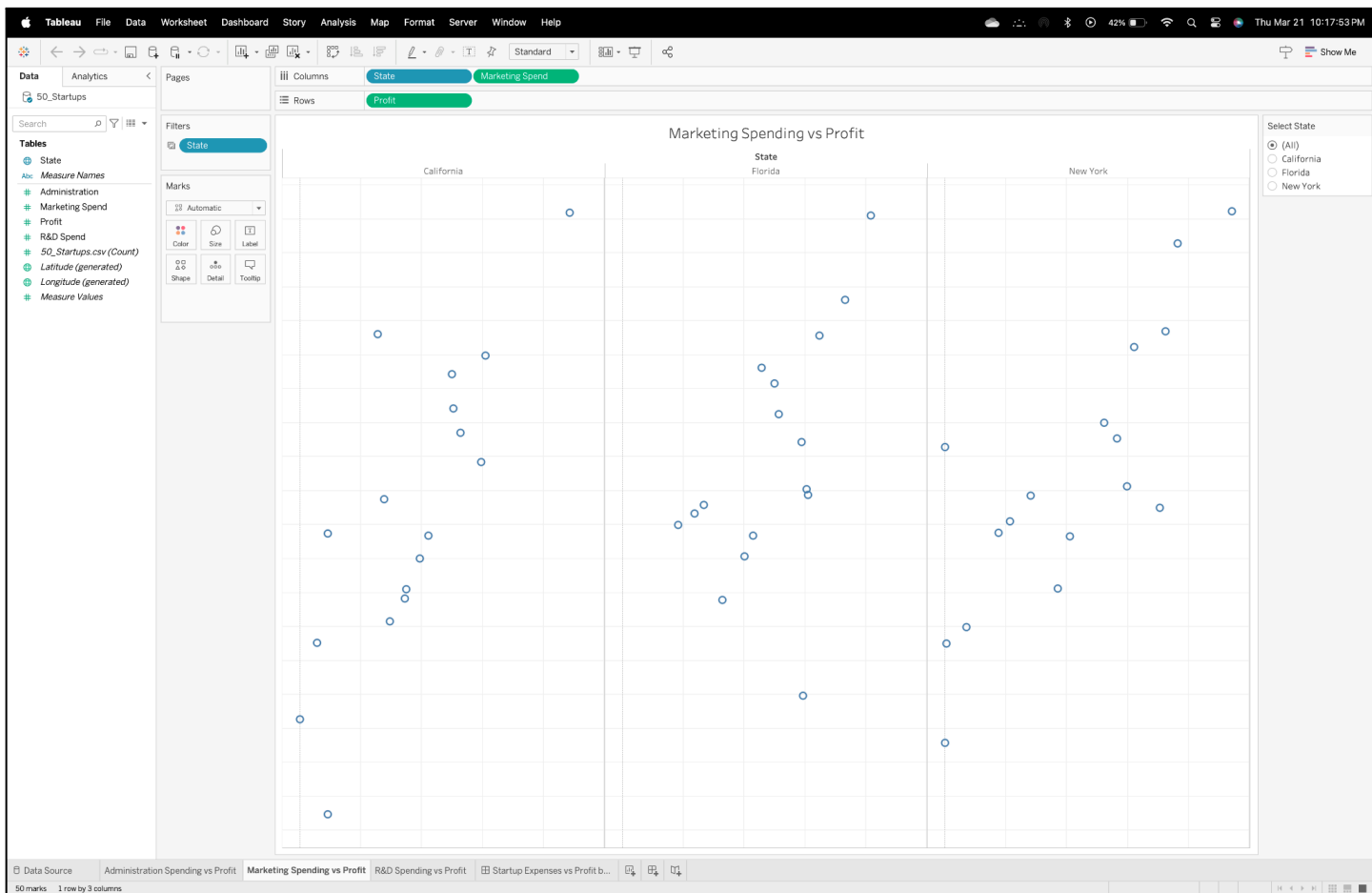
- Create three distinct worksheets for the categories of Education, Marital Status, and Income.
- Insert the Race category into the filter section.
- Right-click to access the settings of the filter.
- Construct a dashboard that incorporates the worksheets for Education, Marital Status, and Income.
- After the dashboard is set up, navigate to the dropdown menu, as indicated in the second screenshot, and opt for “apply to worksheets.”
- Subsequently, select the “Single Value (List)” option.

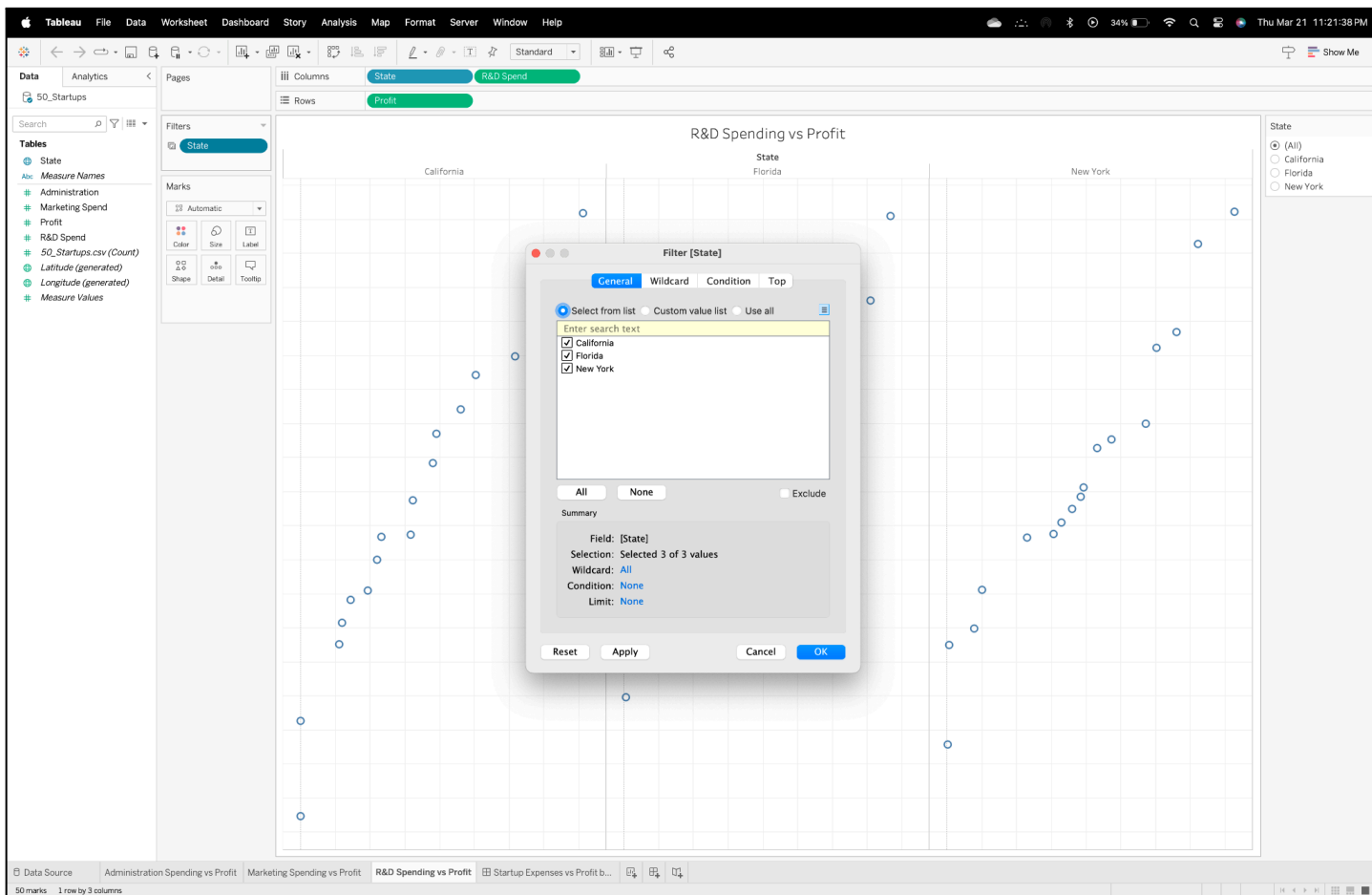
Data Ink Maximization:

- Remove the Y-Axis.
- Modify the color scheme.
- Decrease the size of the bars.
- Align the X-Axis on the dashboard.
- Rotate the labels on the X-Axis.
- Position values on top of the bars.

ACTIVITY - 3









Explanation: In this analysis, we compared 50 startups and created a scatter plot focusing on different sections of the company such as Marketing, Administration, and R&D. The scatter plot is based on the profits and expenditures in these sections across three different states: California, Florida, and New York. We used a multiple view parameter for this analysis.

- Create spreadsheets that compare Research and Development with Profits, Marketing Expenditure with Profits, and Administrative Costs with Profits.
- Open the row dropdown menu and select a dimension.
- Transfer the state to the filter section.
- Then, click on the state dropdown menu and opt to show the filter.
- Select Florida from the options on the right side.
- Build a dashboard that includes all three of these sheets.

Data Ink Maximization:

- Remove the Y-Axis.
- Remove the X-Axis.
- Adjust the position of filter
- Center the title
- Remove major and minor ticks