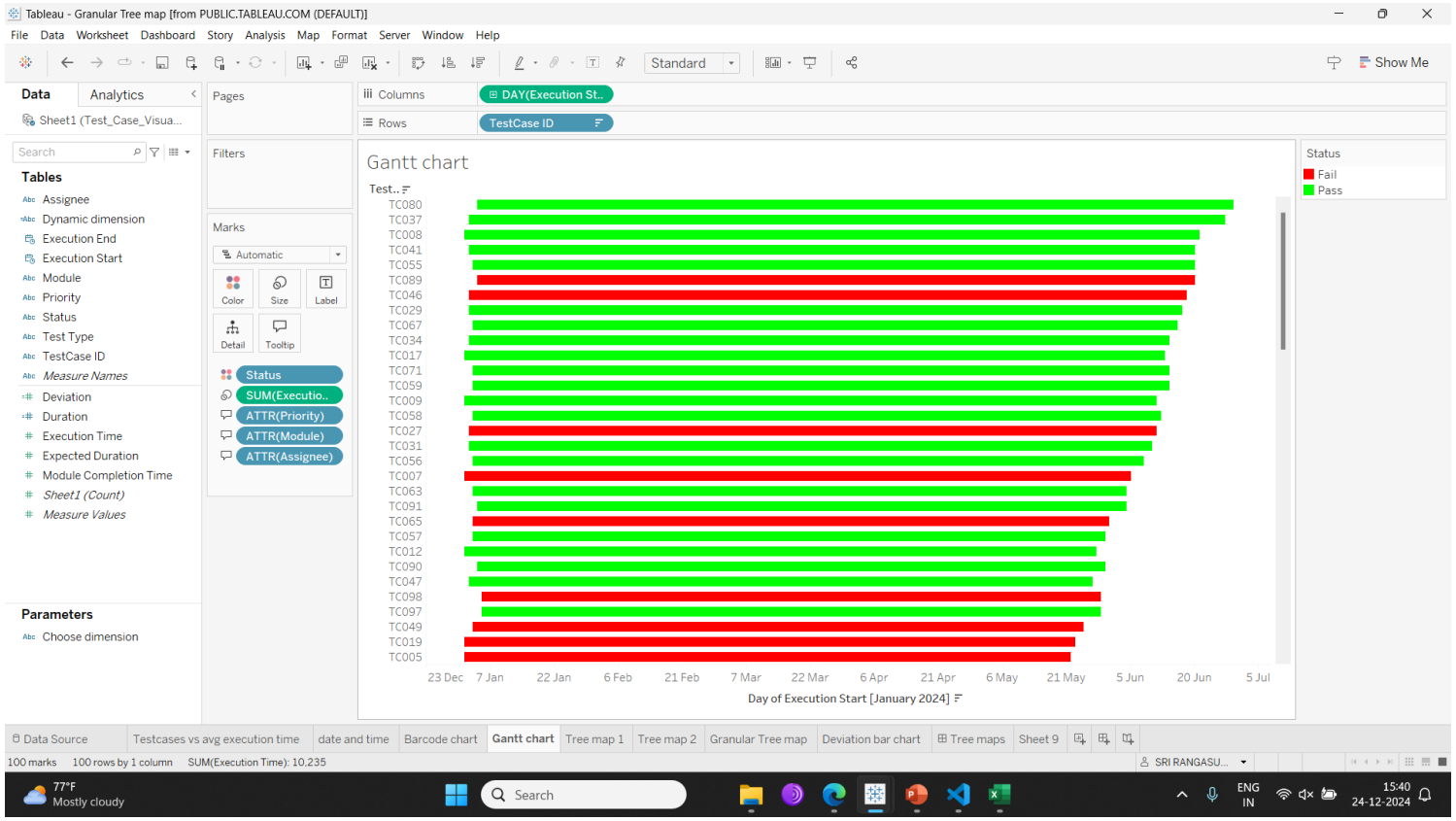
TEAM PRODUCTIVITY VISUALIZATION DASHBOARD

VISUALIZATIONS FOR EXECUTION ANALYSIS

Gantt Charts : Day (Execution Start) vs Test Case ID

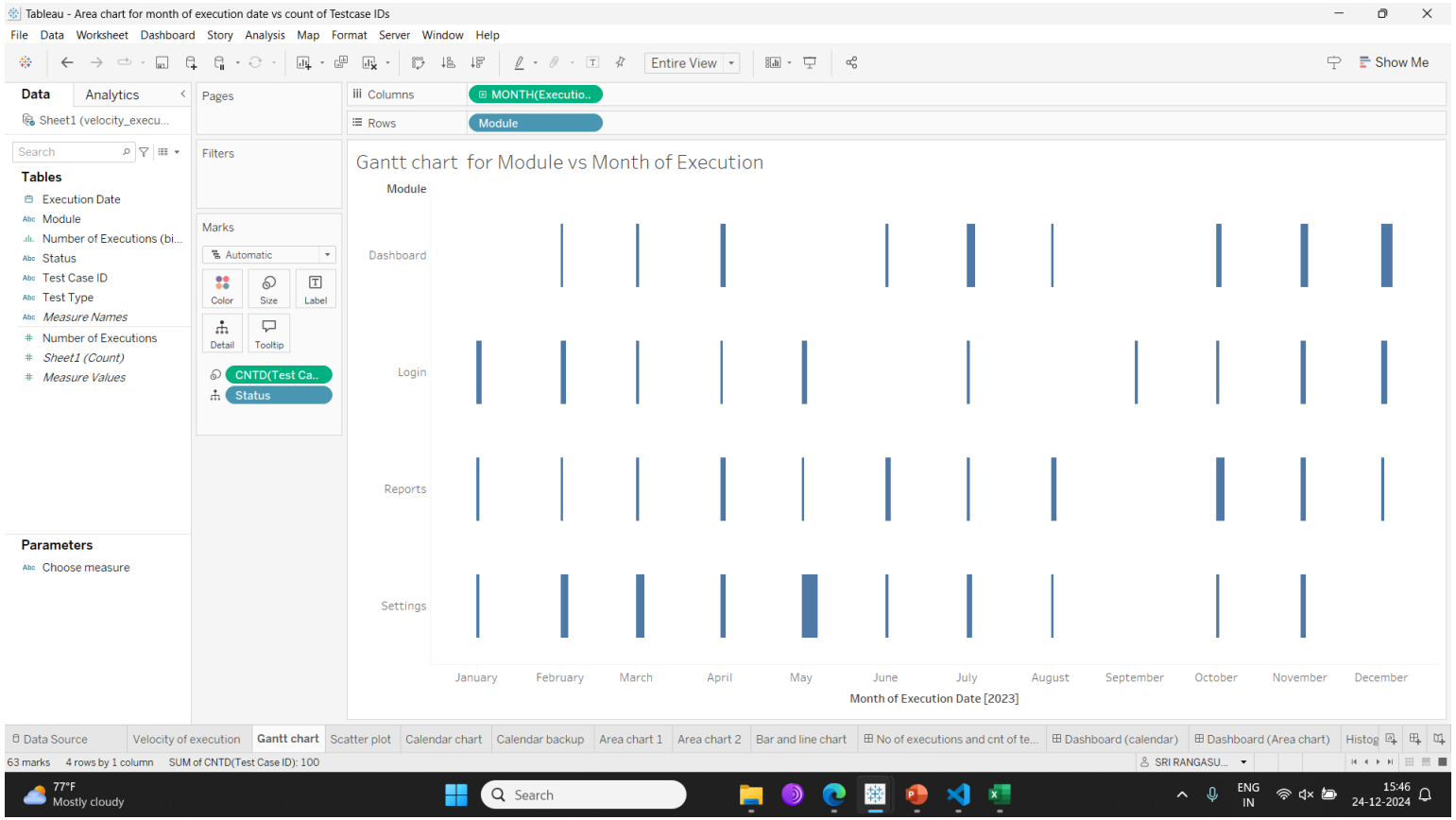


Gantt Charts : Day (Execution Start) vs Test Case ID

Insight: Shows when each test case was executed and their respective execution durations. The size and color encoding allow for easy detection of failed or delayed tests.

Link: Gantt chart : Testing team | Tableau Public

Gantt Charts : Month (Execution Start) vs Module

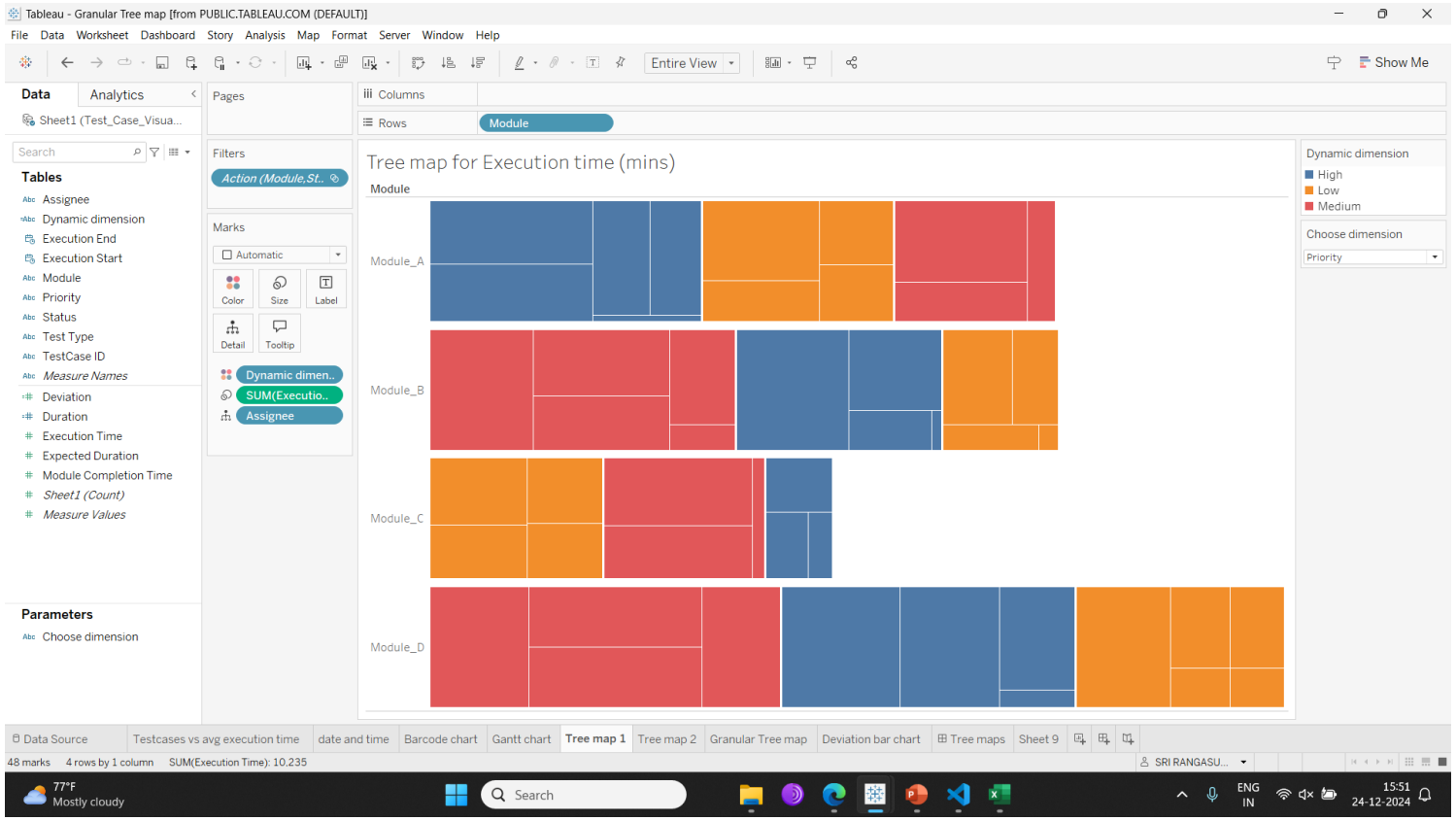


Gantt Charts : Month (Execution Start) vs Module

Insight: Highlights module-level activity trends over months. Modules with consistently high test counts might indicate critical areas of focus or potential overload.

Link : Gantt chart for Module vs Month of Execution | Tableau Public

Tree map Charts : Module (Row), Avg Execution Time (Size), Assignees in Detail

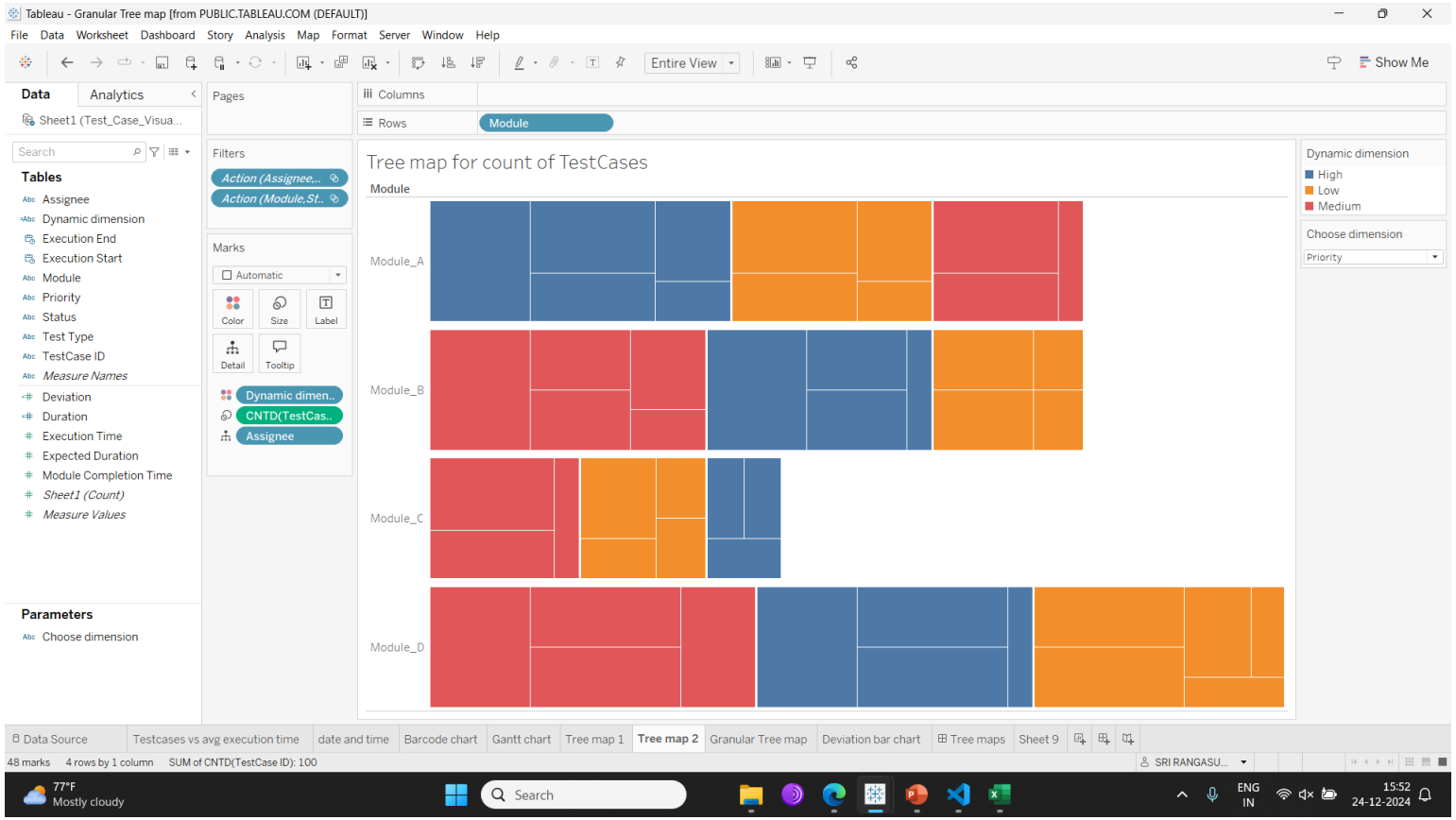


Tree map Charts : Module (Row), Avg Execution Time (Size), Assignees in Detail

Insight : Identifies modules with high execution times and correlates these with assignee workloads. Priority-based coloring highlights areas requiring immediate attention.

Link : Tree map for Execution time (mins) | Tableau Public

Tree map Charts : Module (Row), Count of Test Case IDs (Size)

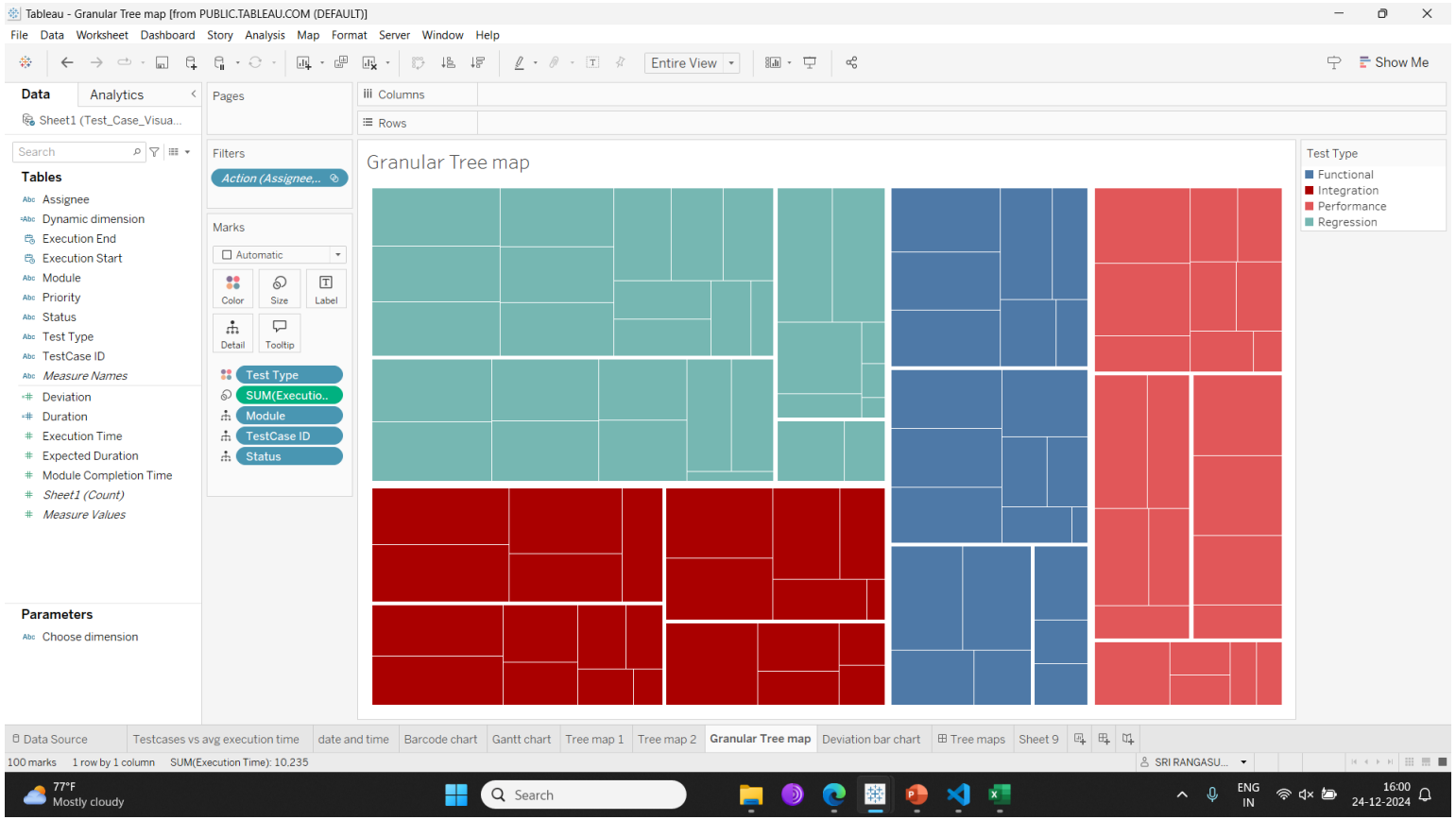


Tree map Charts : Module (Row), Count of Test Case IDs (Size)

Insight: Reveals test case density across modules and their associated priorities or statuses. Provides insights into workload distribution and failure-prone modules.

Link :Tree map for count of TestCases | Tableau Public

Tree map Charts : Granular Tree map

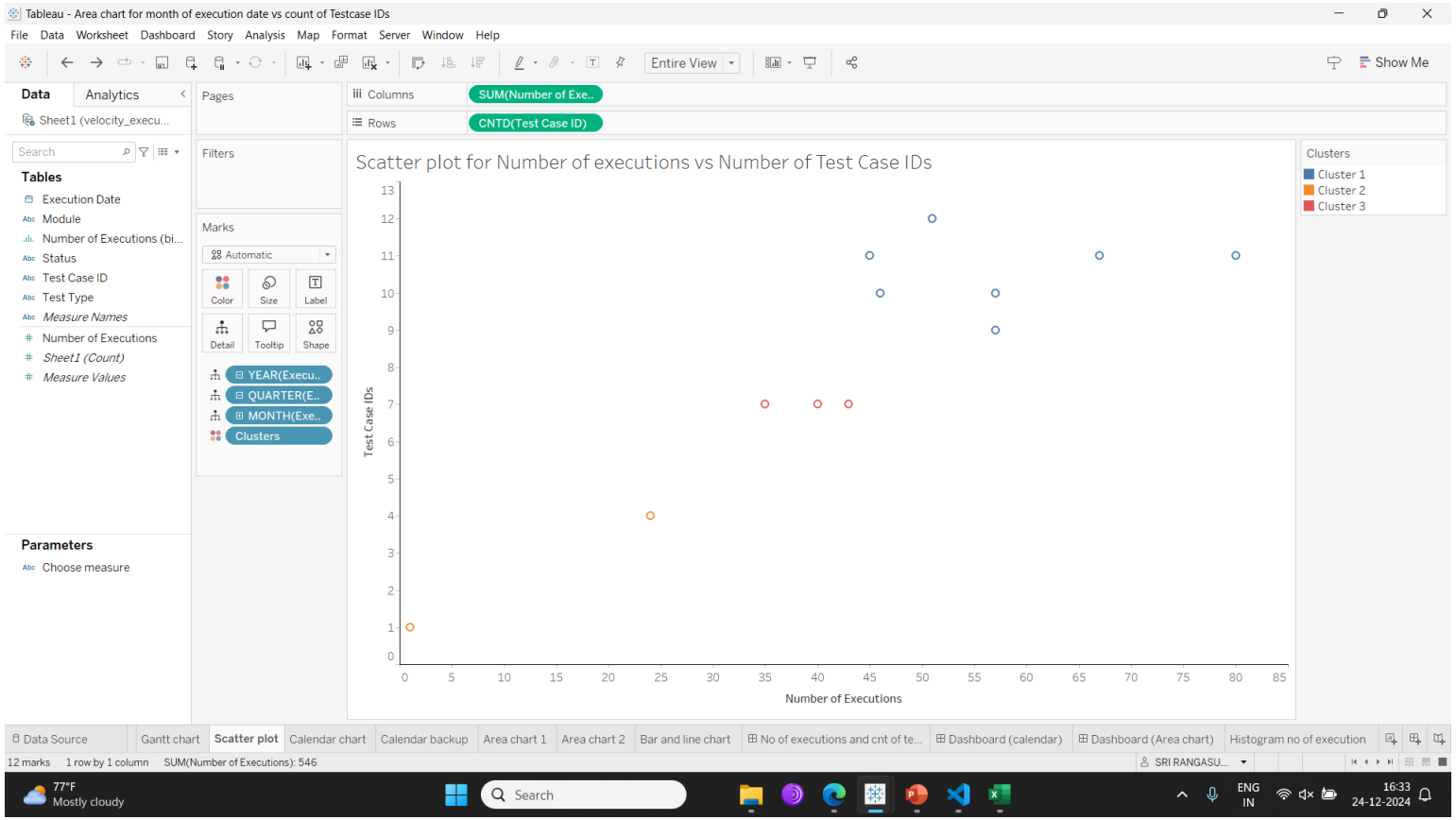


Tree map Charts : Granular Tree map

Insight: A granular view of execution details, highlighting specific test cases within modules that contribute most to execution time.

Link : Granular Tree map | Tableau Public

Scatter Plot for Test Case and Execution Analysis

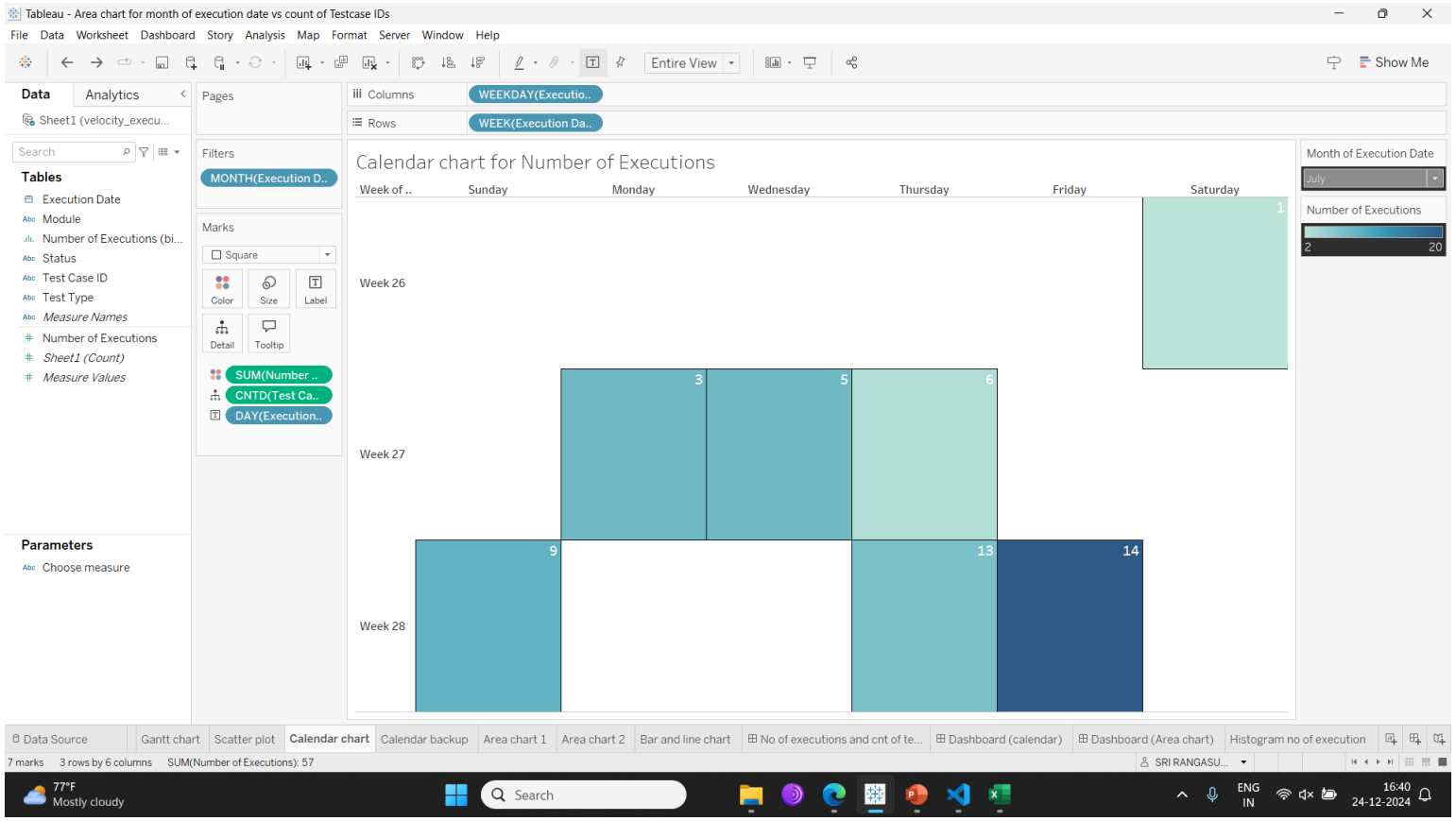


Scatter Plot for Test Case and Execution Analysis

Insight: Clustering reveals patterns in execution and test case counts, helping pinpoint outliers or areas for improvement.

Link : Scatter plot for Number of executions vs Number of Test Case IDs | Tableau Public

Calendar Chart for Execution Density

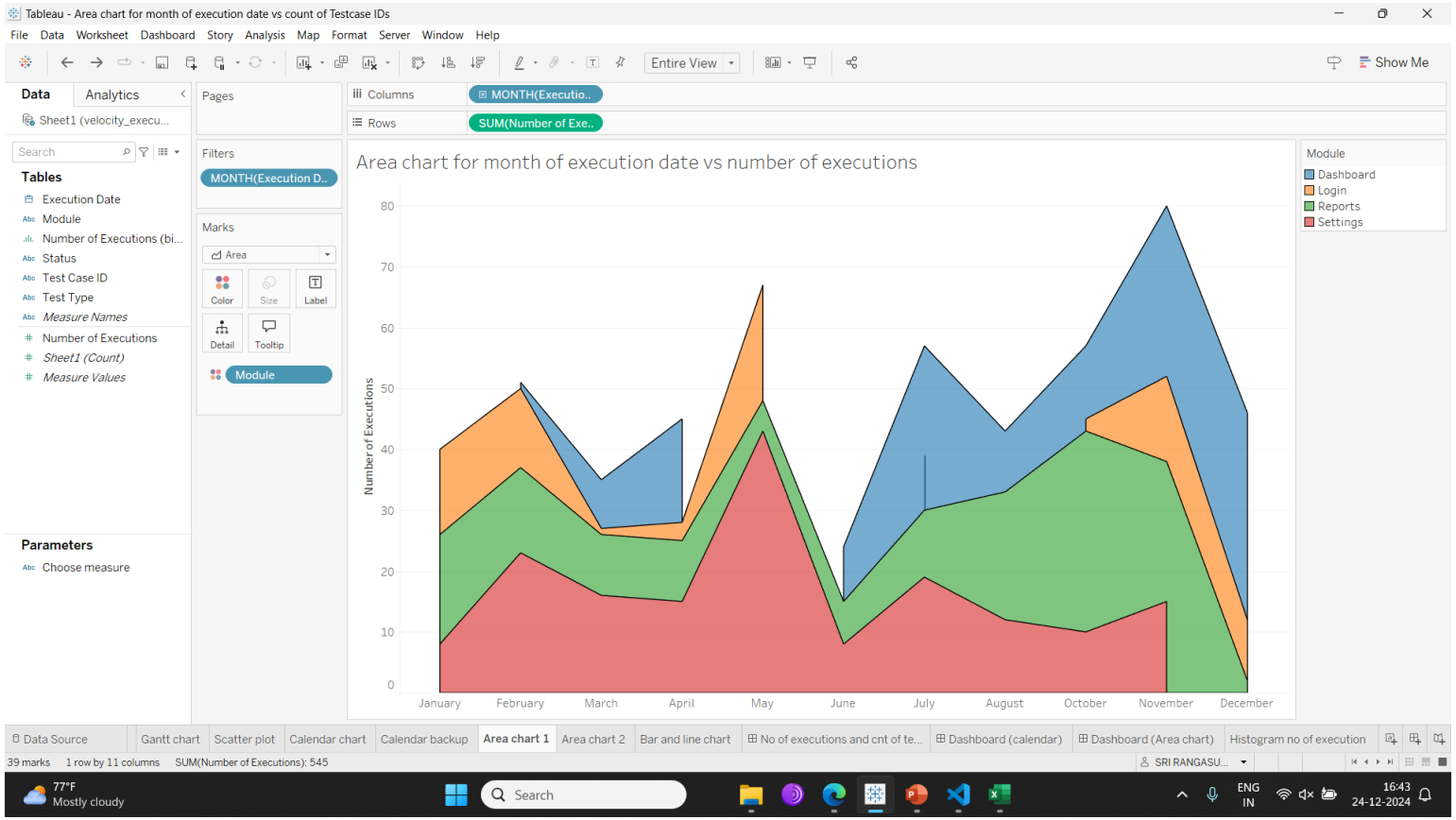


Calendar Chart for Execution Density

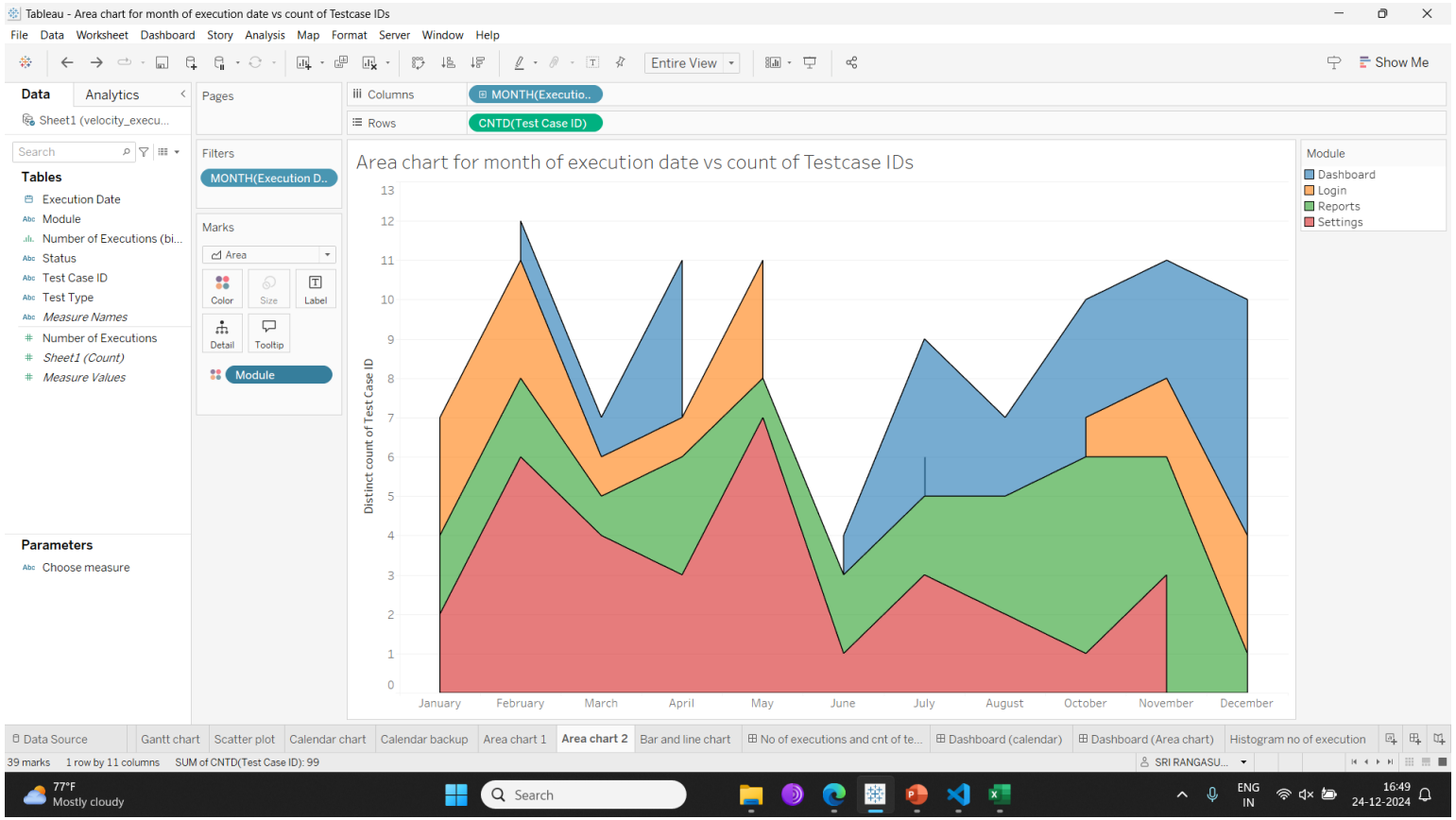
Insight : Weekly execution density uncovers peak testing days and highlights workload imbalances, aiding in schedule optimization.

Link : Calendar chart for Testing team | Tableau Public

Area Charts : Execution Trends by Module



Area Charts : Test Case Trends by Module

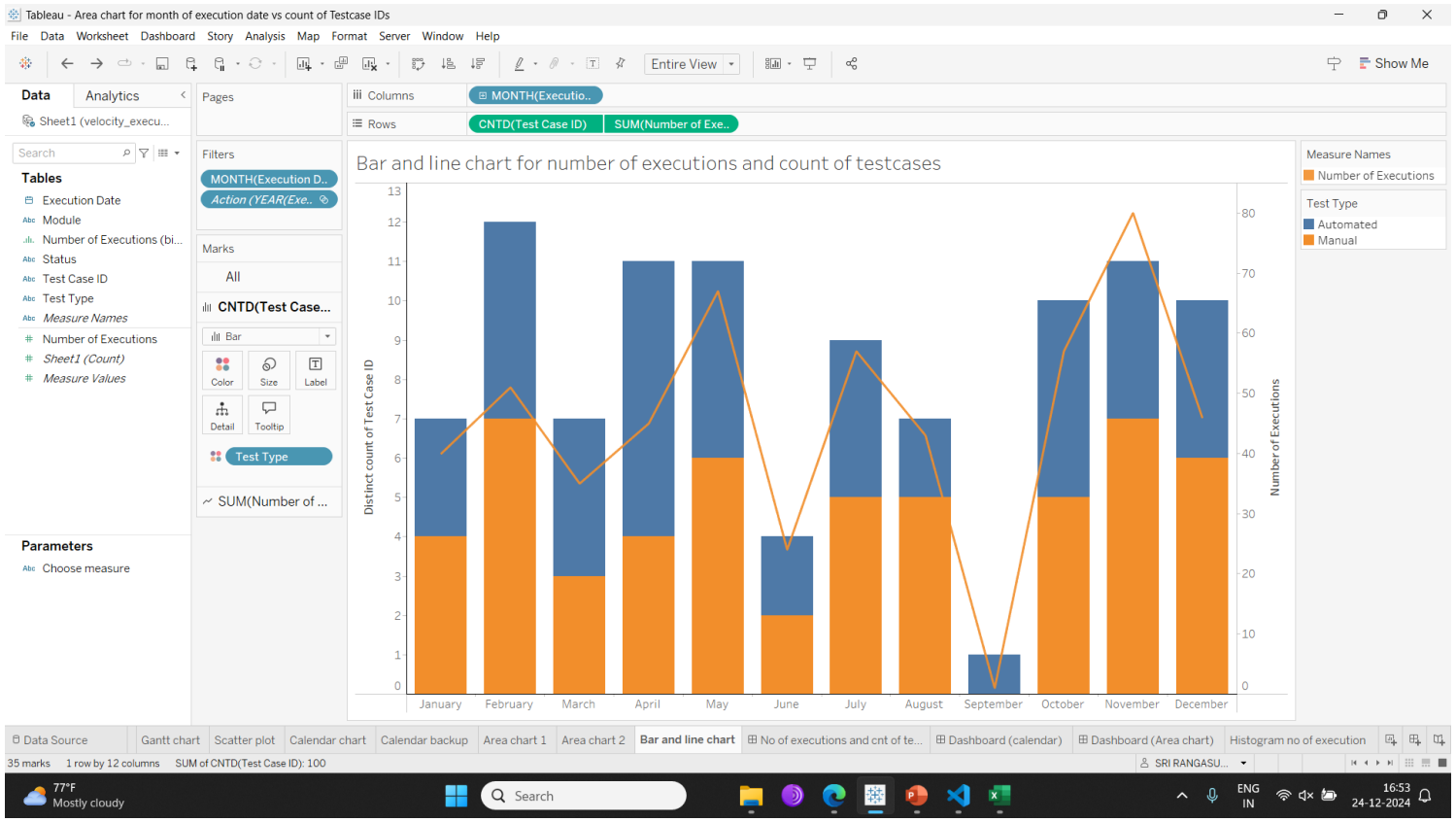


Area Charts : Dashboard

Insights : Execution and test case trends across modules provide a clear picture of monthly activity, helping identify high and low-performing modules.

Link : Area chat for Testing team | Tableau Public

Bar and Line Chart for Execution Analysis

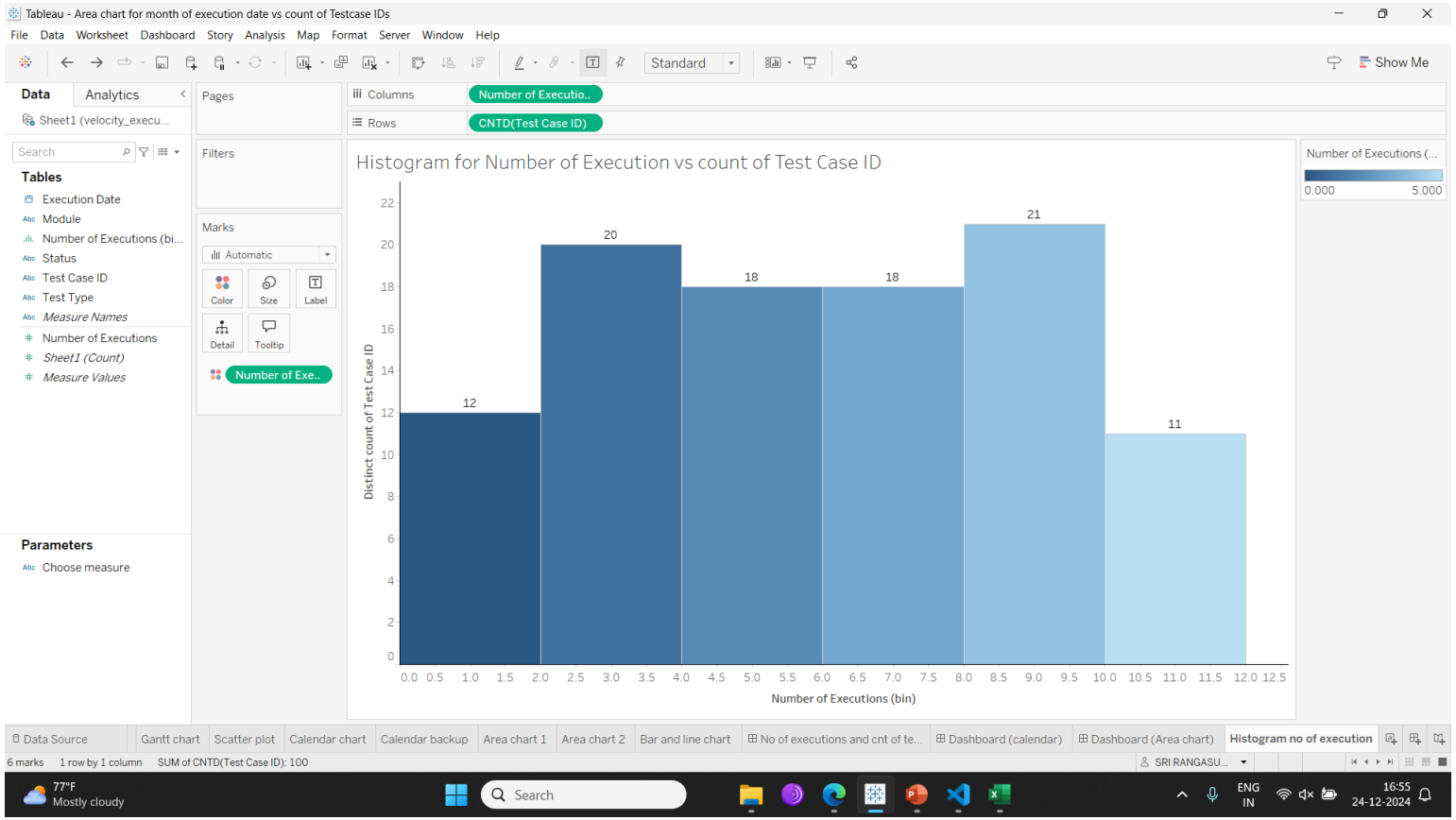


Bar and Line Chart for Execution Analysis

Insights : A combined view of manual vs. automated execution offers insights into test type trends, supporting decisions on automation efforts.

Link : Bar and line chart for number of executions and count of testcases | Tableau Public

Histogram for Execution Distribution

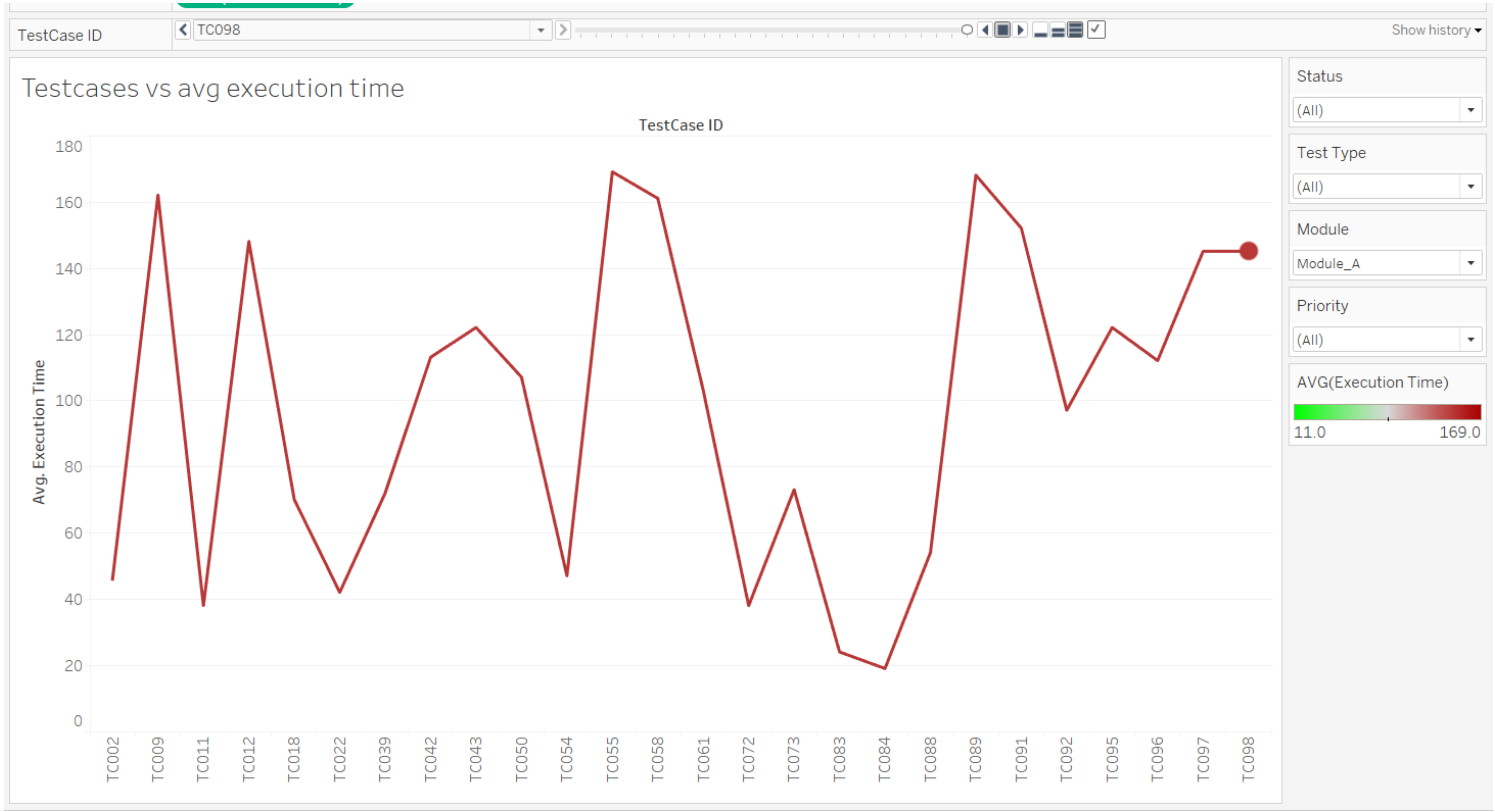


Histogram for Execution Distribution

Insights : The execution distribution chart highlights common activity ranges, guiding focus on high-density execution areas for optimization.

Link : Histogram for Number of Execution vs Cnt of test case ids | Tableau Public

Test Case ID vs Average Execution Time

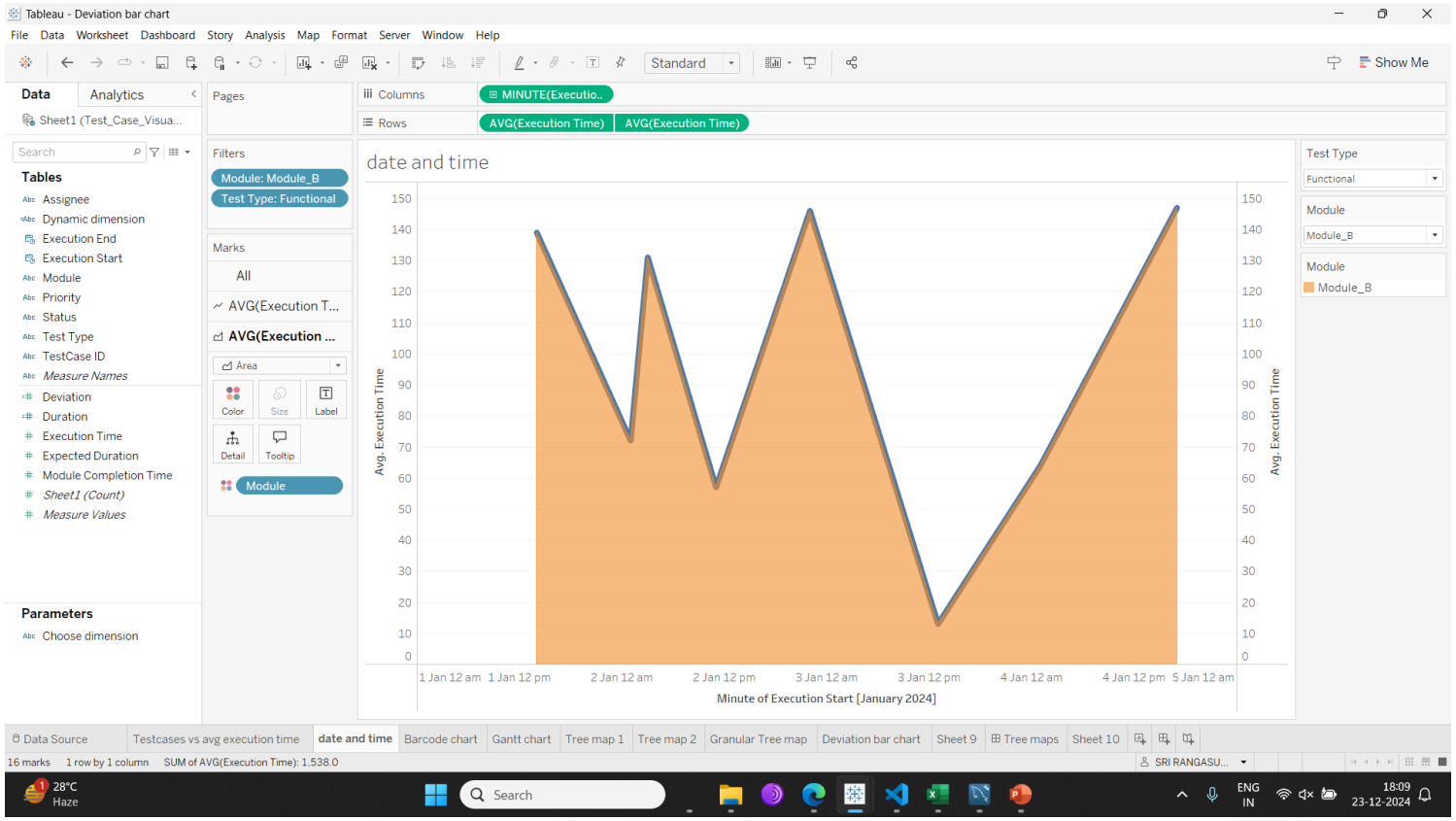


Test Case ID vs Average Execution Time

Insight: This chart helps identify test cases with the longest execution times. The color gradient allows quick identification of performance bottlenecks. Using filters enables slicing the data to focus on specific criteria like failed tests or high-priority modules.

Link:Testcases vs execution time | Tableau Public

Area Chart for Avg Execution Time vs Execution Start Date

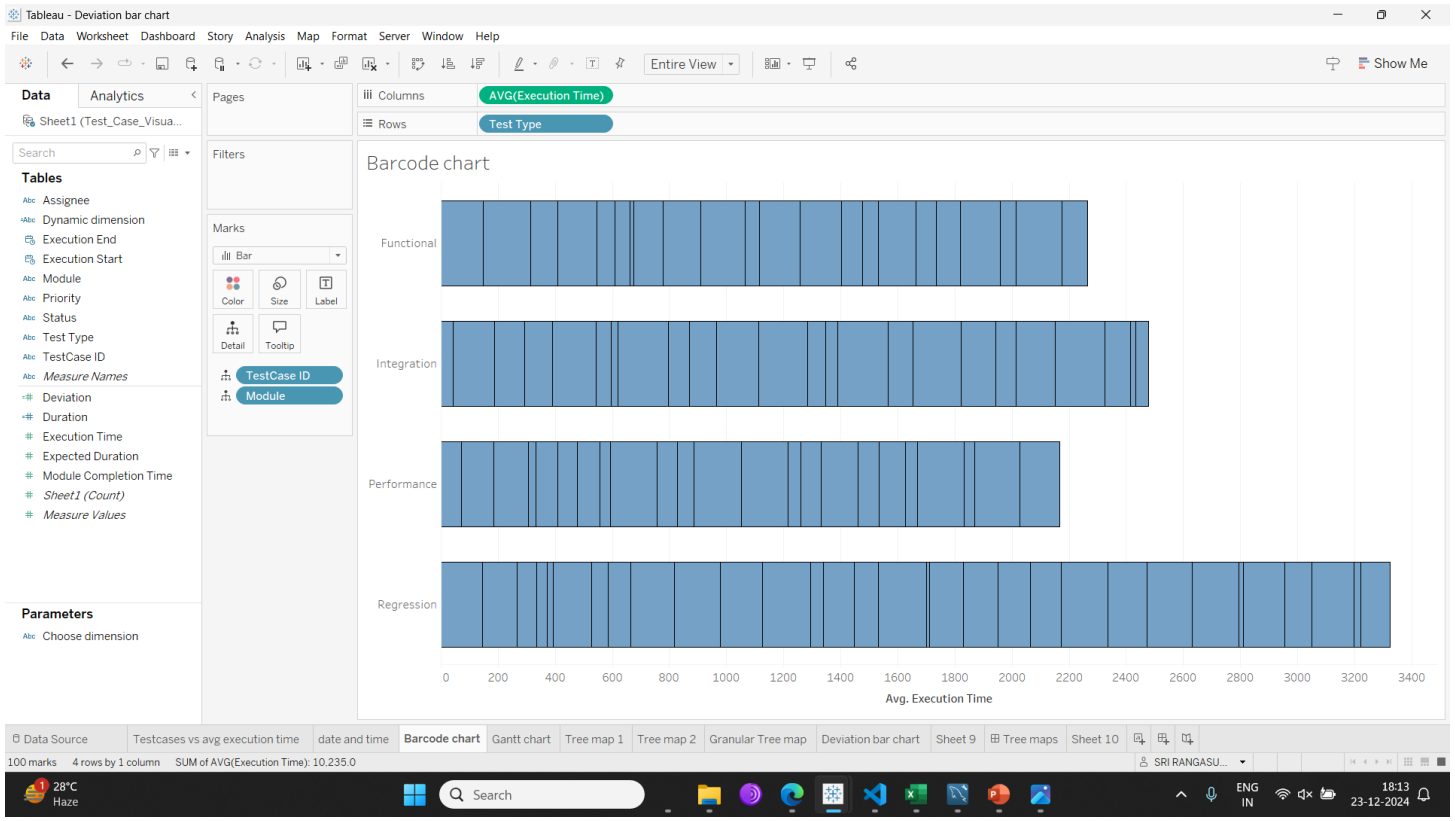


Area Chart for Avg Execution Time vs Execution Start Date

Insight: Visualizes trends in execution times over time, helping to identify seasonal spikes or trends. For example, you can determine if certain test types consistently take longer during specific periods.

Link :Execution Time vs execution starting time (Area chart) | Tableau Public

Barcode Chart: Avg Execution Time vs Test Type

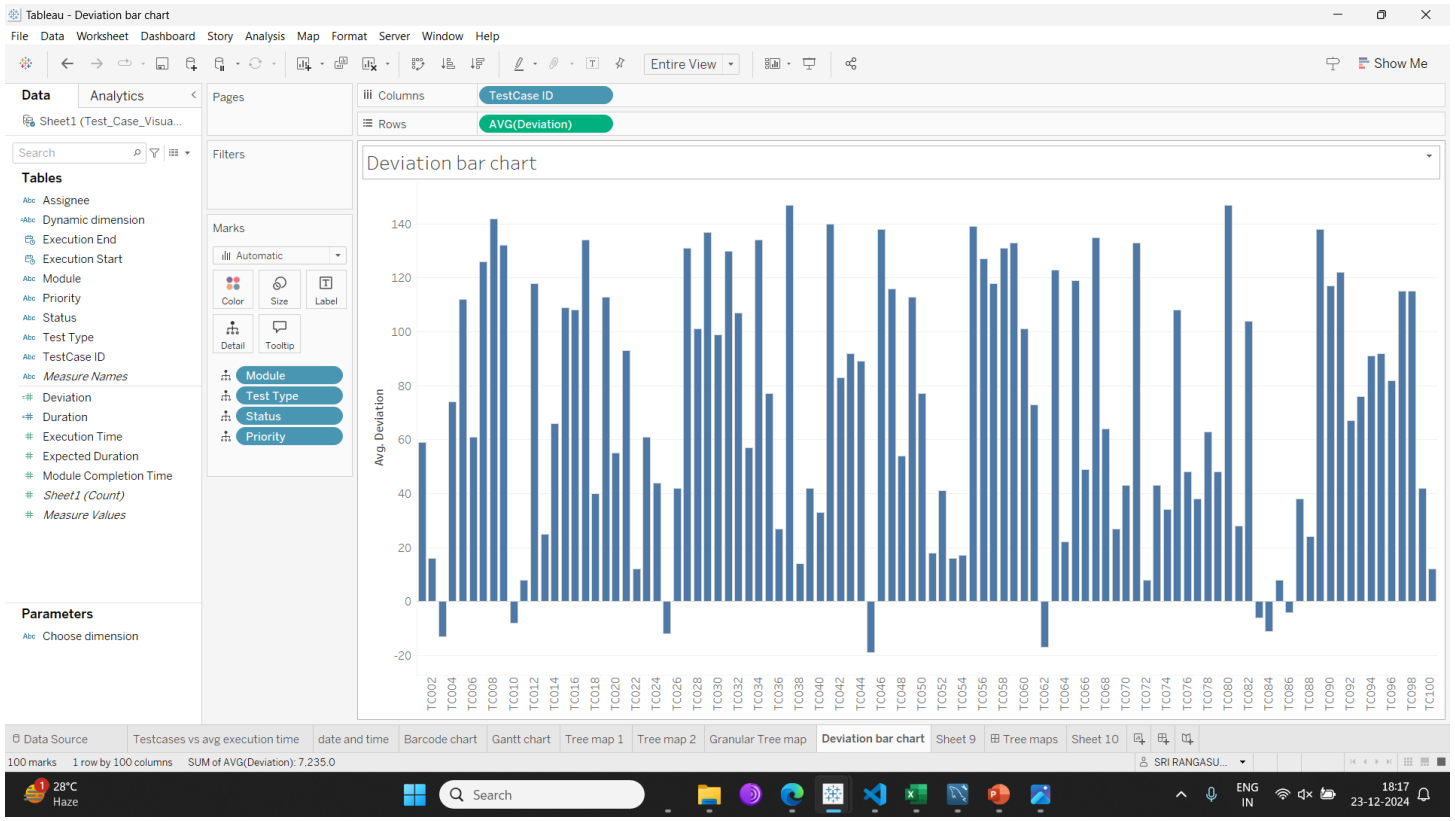


Barcode Chart: Avg Execution Time vs Test Type

Insight: Quickly spot variance within test types. Barcode charts reveal outliers and clusters where execution time deviates significantly for particular test cases.

Link :Execution Time vs Test type (Barcode chart) | Tableau Public

Deviation Bar Chart

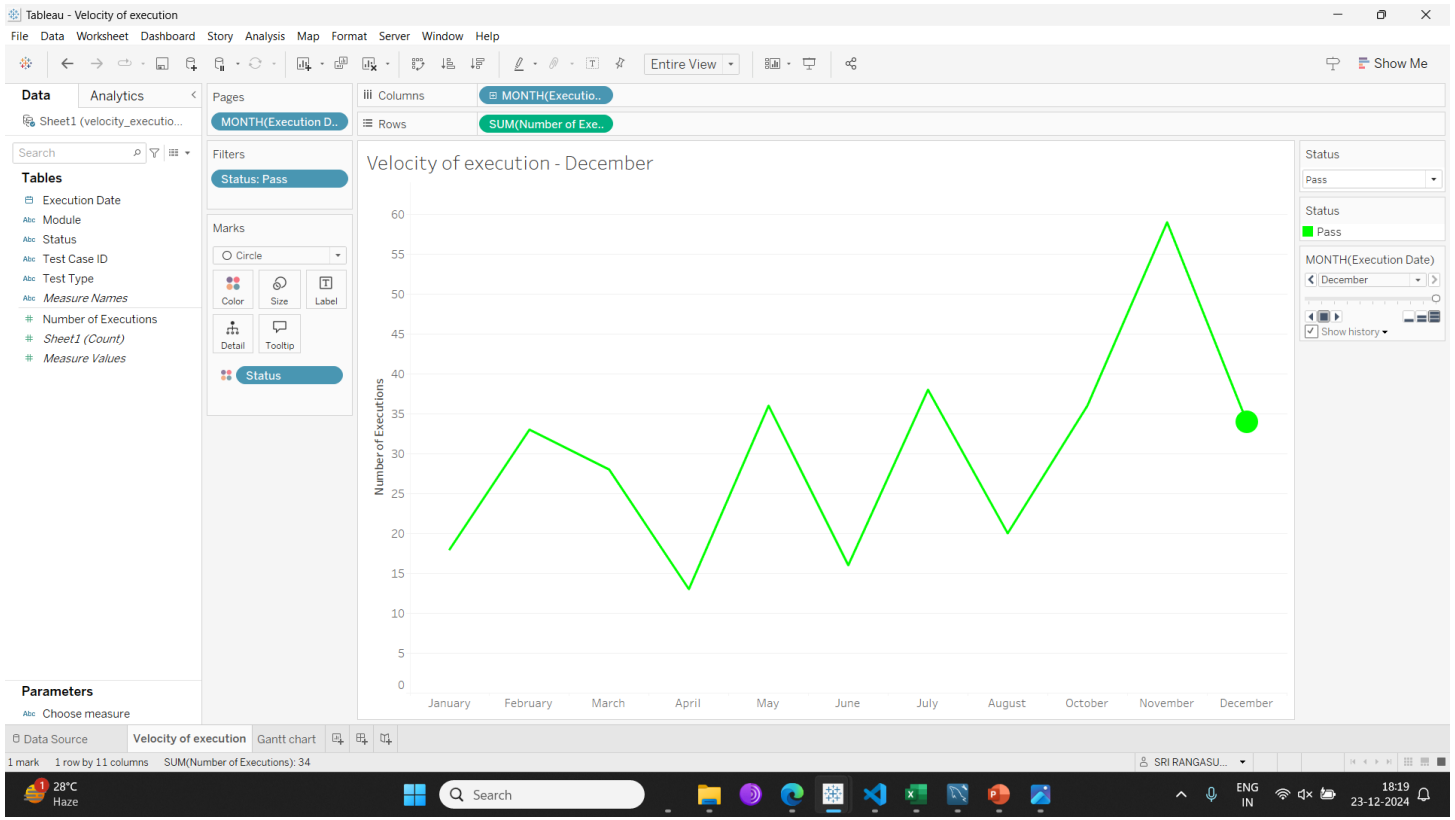


Deviation Bar Chart

Insight: Illustrates the impact of failed tests on execution time. Negative bars emphasize the disproportionate time spent on failures compared to successful executions.

Link : Deviation bar chart | Tableau Public

Velocity of Execution

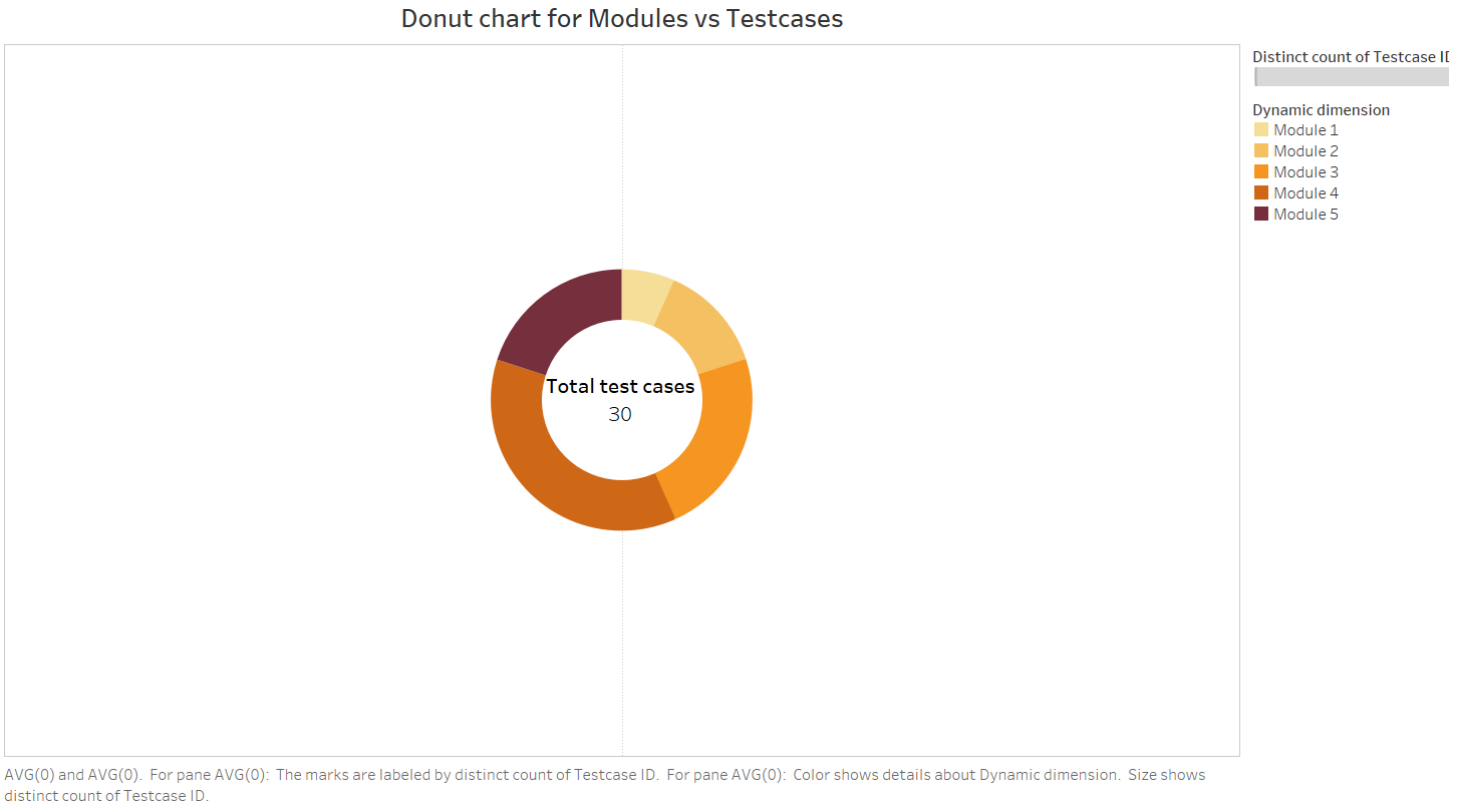


Velocity of Execution

Insight: Shows how execution velocity changes over time. The split between passed and failed tests highlights the efficiency of test execution and areas needing improvement.

Link : Velocity of execution | Tableau Public

Donut Chart

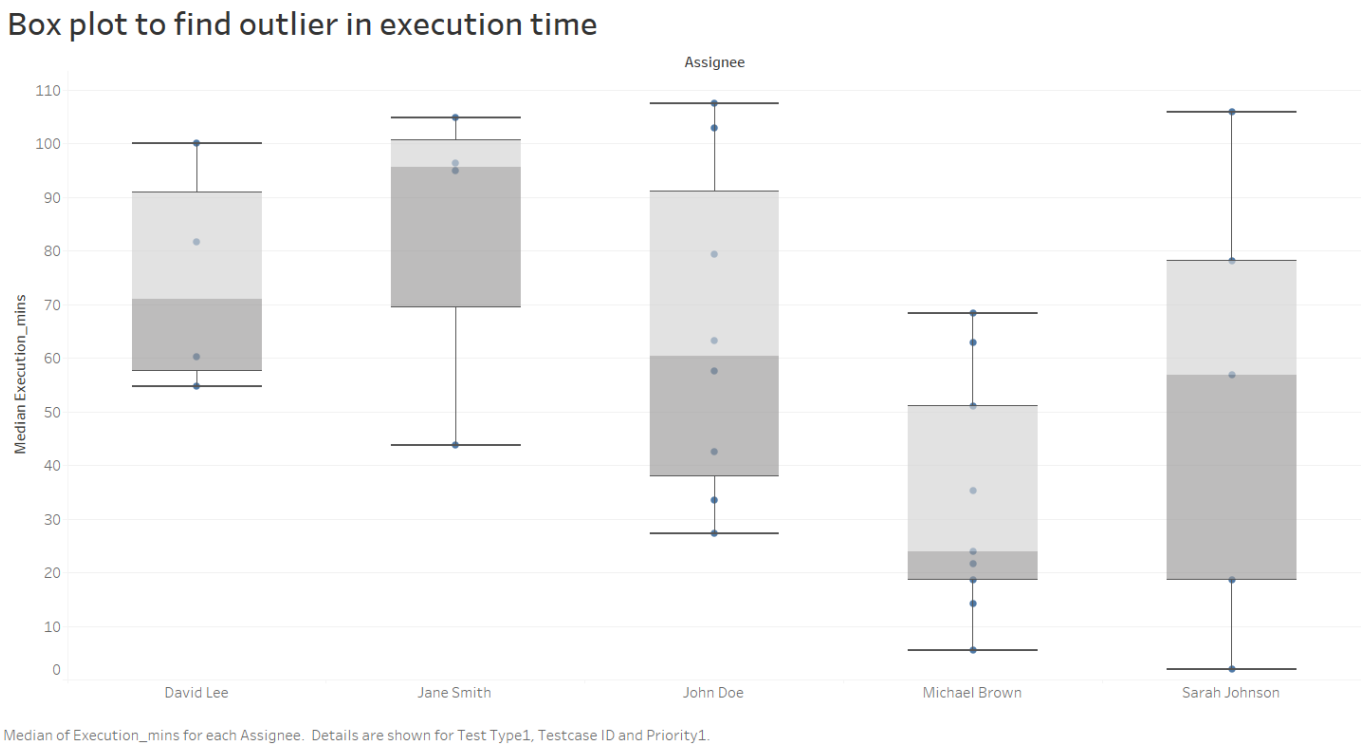

Donut chart for Modules vs Testcases
Distinct count of Testcase ID
Dynamic dimension
Module 1
Module 2
Module 3
Module 4
Module 5
Total test cases
30
AVG(0) and AVG(0). For pane AVG(0): The marks are labeled by distinct count of Testcase ID. For pane AVG(0): Color shows details about Dynamic dimension. Size shows distinct count of Testcase ID.

Donut Chart

Insights: Identify the distribution of workload or progress among various states or modules.

Link : Donut chart for Dimesion vs Testcases | Tableau Public

Box Plot

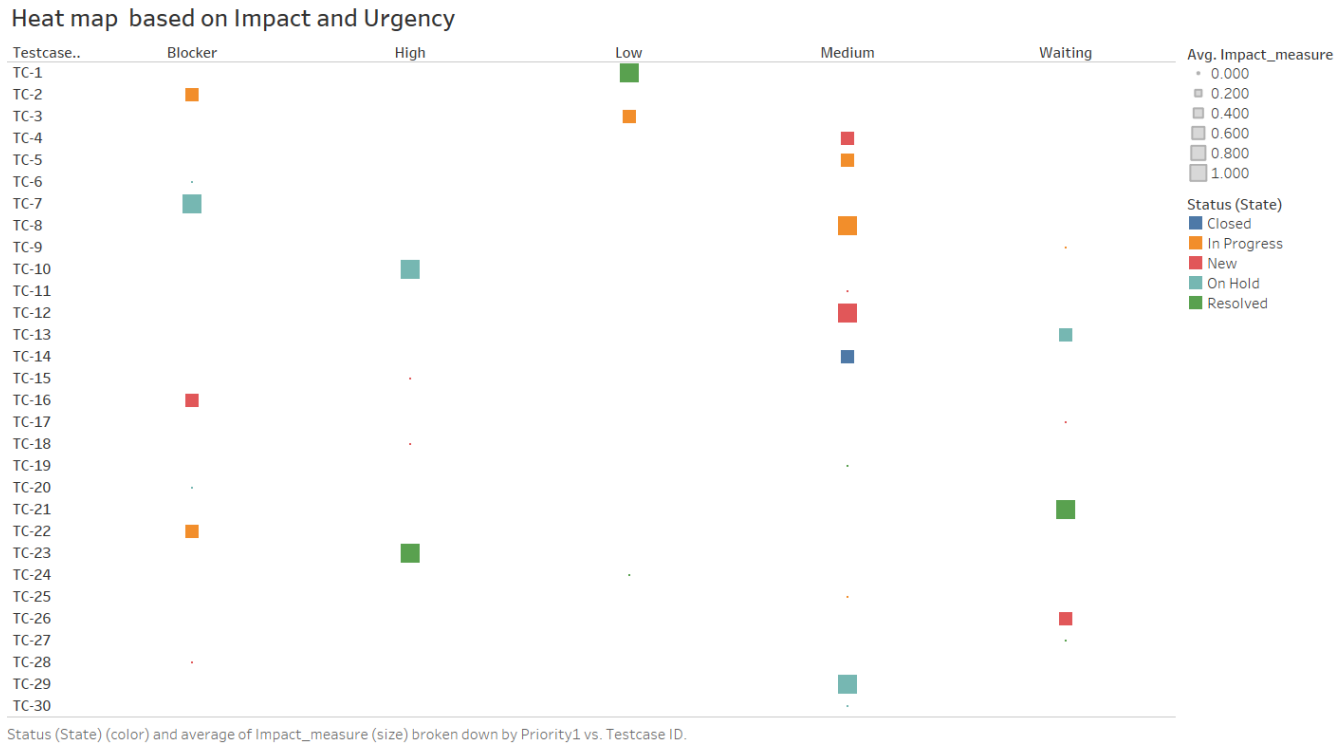

Box plot to find outlier in execution time
Assignee
Median Execution_mins
110
100
90
80
70
60
50
40
30
20
10
0
David Lee
Jane Smith
John Doe
Michael Brown
Sarah Johnson
Median of Execution_mins for each Assignee. Details are shown for Test Type1, Testcase ID and Priority1.

Box Plot

Insights: Highlight areas where execution time deviates significantly, pinpointing areas for investigation.

Link : Heat map based on Impact and Urgency | Tableau Public

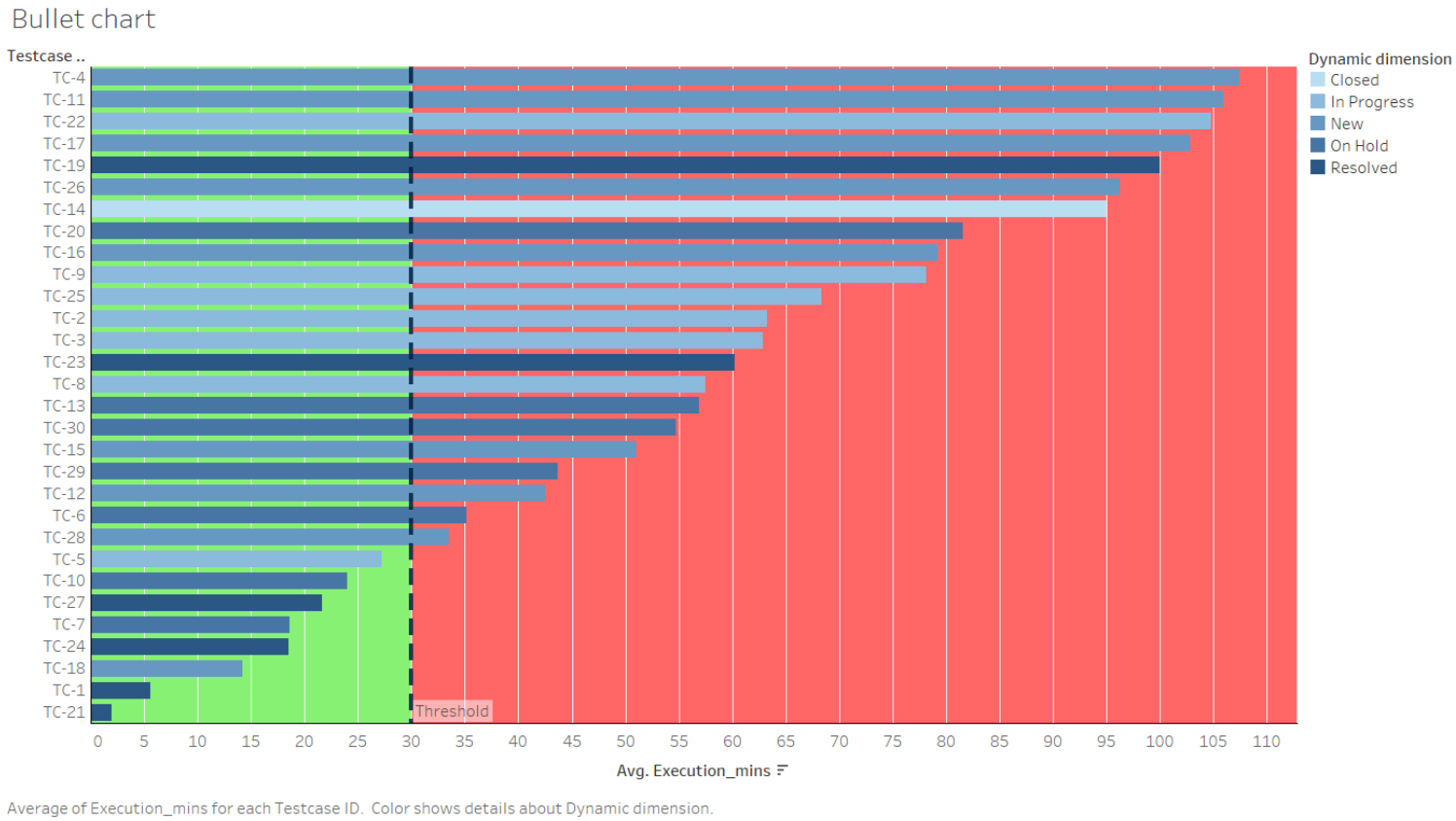
Heat map


Heat map based on Impact and Urgency
Testcase..
Blocker
High
Low
Medium
Waiting
TC-1
TC-2
TC-3
TC-4
TC-5
TC-6
TC-7
TC-8
TC-9
TC-10
TC-11
TC-12
TC-13
TC-14
TC-15
TC-16
TC-17
TC-18
TC-19
TC-20
TC-21
TC-22
TC-23
TC-24
TC-25
TC-26
TC-27
TC-28
TC-29
TC-30
Avg. Impact_measure
0.000
0.200
0.400
0.600
0.800
1.000
Status (State)
Closed
In Progress
New
On Hold
Resolved
Status (State) (color) and average of Impact_measure (size) broken down by Priority1 vs. Testcase ID.

Heat map

- Link : Heat map based on Impact and Urgency | Tableau Public

Bullet Chart

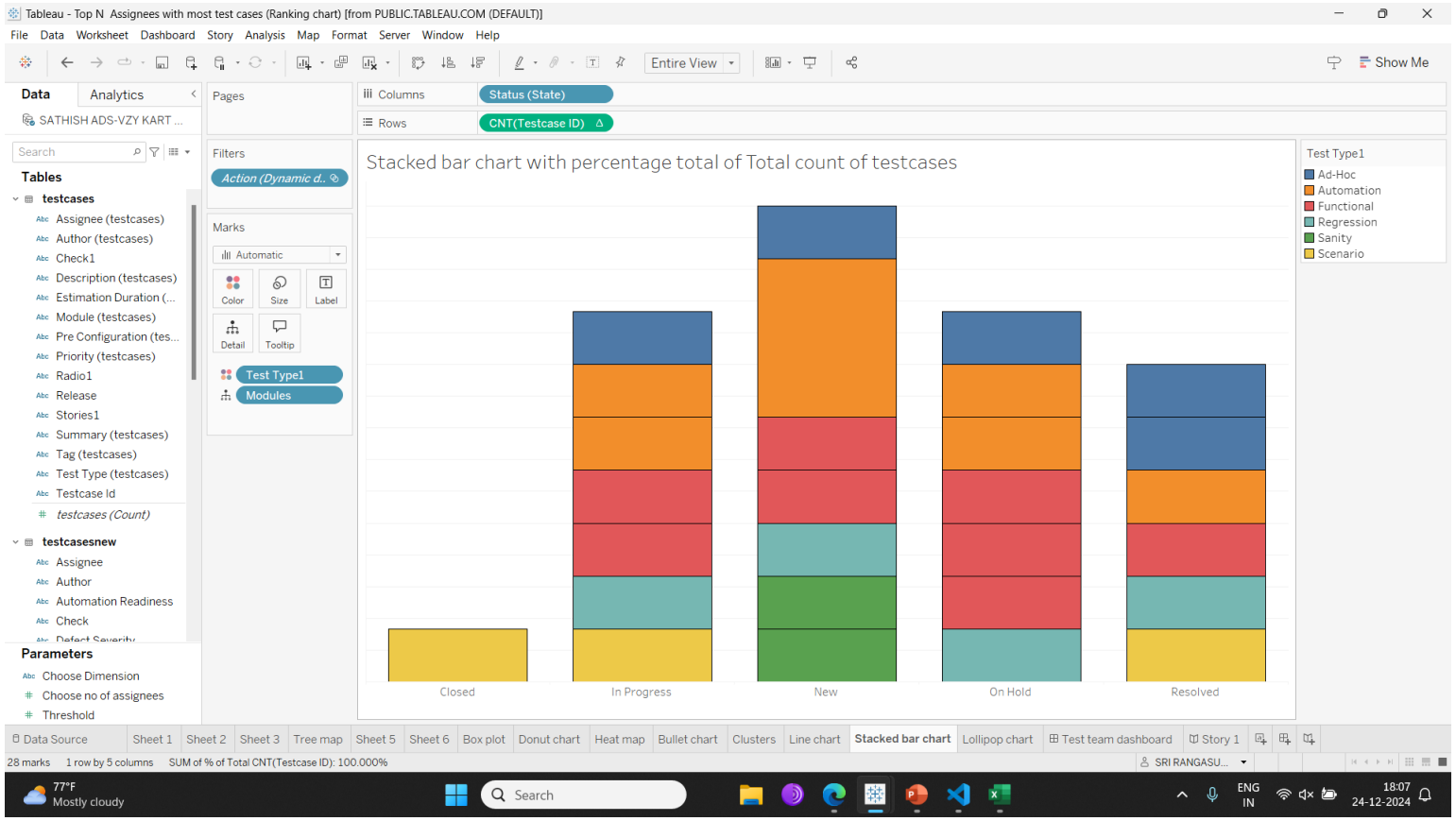


Bullet Chart

Insights: Identify test cases that exceed the acceptable execution time for targeted optimization.

Link : Bullet chart | Tableau Public

Stacked bar chart

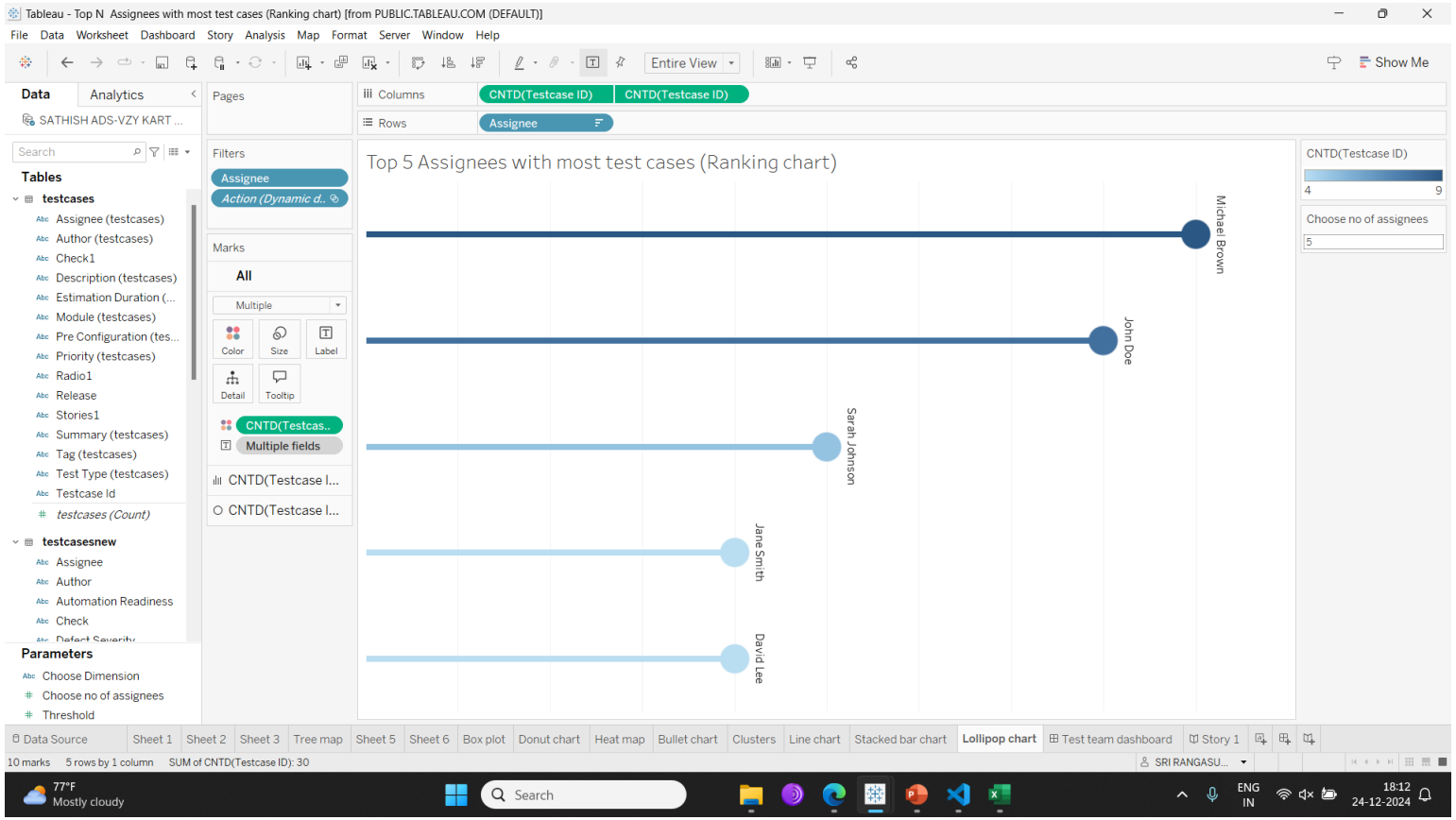


Stacked bar chart

Insights : Stacked bar chart with percentage total of Total count of testcases with color division by Test type

Link : Stacked bar chart with percentage total of Total count of testcases | Tableau Public

Lollipop chart

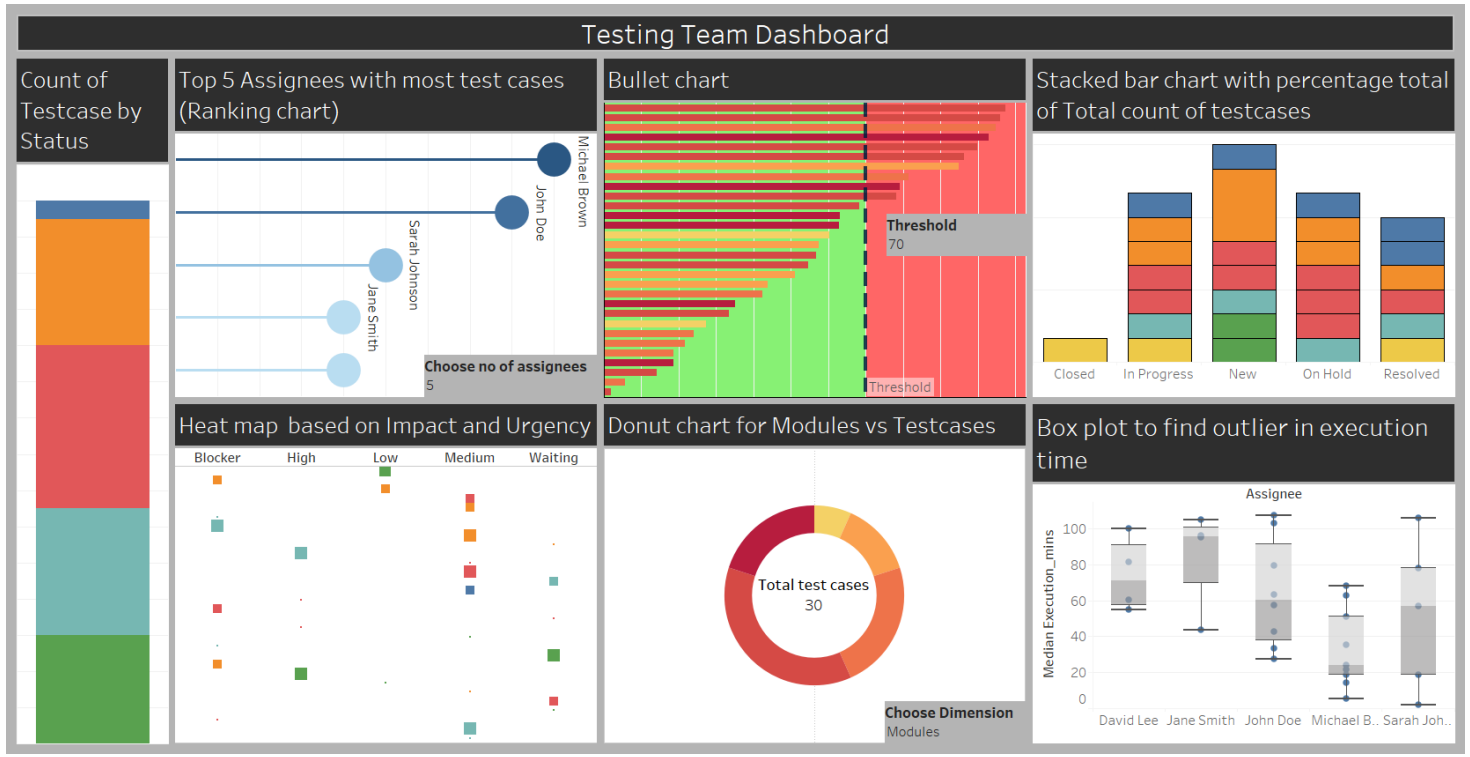


Lollipop chart

Insights : Top N Assignees with most test cases (Ranking chart) ,Where N is given by the user

Link : Top N Assignees with most test cases (Ranking chart) | Tableau Public

Testing Team Dashboard



Testing Team Dashboard

- Link : Testing Team Dashboard | Tableau Public