TAX-ED VISUALIZATION DASHBOARD
USER GUIDE

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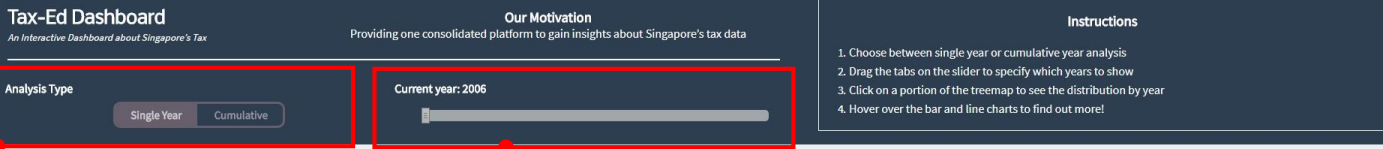
① GENERAL NAVIGATION

A – Dashboard Header
B – Treemap

C – Bar Chart
D – Line Chart

② DASHBOARD HEADER

2.1. Analysis Type
- Toggle between 2 types of analysis

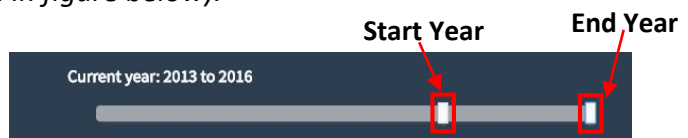*Single year analysis: Inputs tax data from a specific year based on selection.*
Cumulative year analysis : Inputs tax data from multiple years based on selection.

2.2. Year slider
- Drag to slider to specify year of tax data.
- Tax data ranges from year 2006 to 2016

Single analysis: Select a single year
Cumulative year analysis : Select the start and end year (As seen in figure below).

Start Year   **End Year**

③ TREEMAP

3.1. Treemap

- Size of each rectangle on the treemap represents the amount of tax collected in each category in proportion to other categories. A large rectangle means more tax revenue was contributed from that specific tax category.
- Diverging year scale represents the percentage growth (blue) and decline (red) in tax collected for each category. Intensity of color intensifies as value becomes more positive (dark red) or negative (dark blue).
- Hover on top of each tax category for tool tip details.

Single year analysis: Size of rectangle represents total amount of tax collected in each tax category in the year specified. Diverging color scale represents the percentage growth and decline in tax collected <u>as compared to previous year.</u>
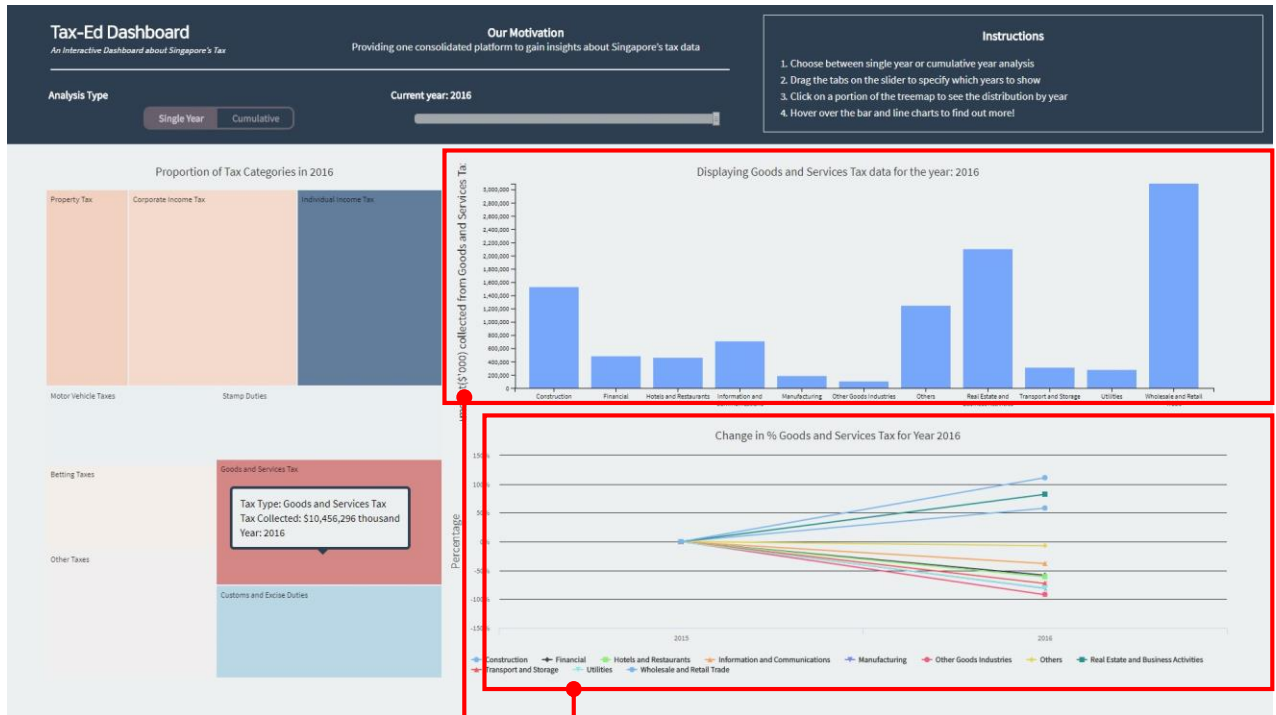
Cumulative year analysis : Size of rectangle represents sum of the total amount collected in each tax category for the years specified. Diverging color scale represents the percentage growth and decline in tax collected <u>in the end year specified as compared to the start year specified (base year).</u>

*Note: Single year analysis year-on-year change not available for Year 2006. Hence diverging color scale will not be in effect in this year.

Actions:
Click on each treemap rectangle to generate bar and line chart on the right hand side of the dashboard

④ BAR CHART & LINE CHART

4.1. Bar Chart
- Each bar represents a tax type within the tax category selected.
- The height of the bar represents the amount collected for each tax type based on the selected year(s).
- Hover on top of each tax category for tool tip details.

4.2. Line Chart
- Each line is plotted based on the percentage change experienced in each year.
- Percentage change is calculated from the 2nd year selected based on the 1st year (base year), hence plots on the 1st year will display 0% change.

Single year analysis : In this view, users will see the base year (previous year) and the year selected (As seen in figure above)
Cumulative year analysis: In this view, users will see the base year (start year selected) until the end year selected (As seen in figure below).

- Users will be able to see the trend in change based on the line plotted
- Hover on top of each line to highlight the line and activate tooltip (As seen figure below).