UDACITY

Building a PowerBI Report

REVIEW
CODE REVIEW
HISTORY

Meets Specifications

Awesome having an amazing report with excellent visualizations and advanced interactive tools, you can be proud that your skills include the following with the project to prove.

You need to be proud of your self because you now can

- ✔ Build 7 different types of plots
- ✔ You can get them in a nice clear dashboard
- ✔ You know to apply a unified theme that fits your company/customer needs
- ✔ You can successfully add filters and slicers to these plots and dashboards
- ✔ You can successfully add bookmarks to advance your dashboards
- ✔ Buttons and controls makes your reports like websites is something you can do and will be very beneficial

Useful Links

- Making Reports more interactive
- Drill through- Difference between filter and slicers
- Create TopN filter
- Choosing a Color Palette For Your Power BI Report
- 5 Colors to Avoid
- TOP 13 DASHBOARD DESIGN MISTAKES

Business Questions & Insights

✓

- Report includes at least one visual highlighting the difference (if any) in average daily steps between the Lapcat and Lapdog devices over time.
- Report includes at least one visual highlighting the difference (if any) between Lapdog and Lapcat ratings.

✔️ Well done using line plot to show the difference in average daily steps between the Lapcat and Lapdog devices over time

✔️ Well done using bar plot to highlighting the difference between Lapdog and Lapcat ratings

Useful Link

- Selecting Appropriate Data Visualization
- Choosing charts for data visualization

✓
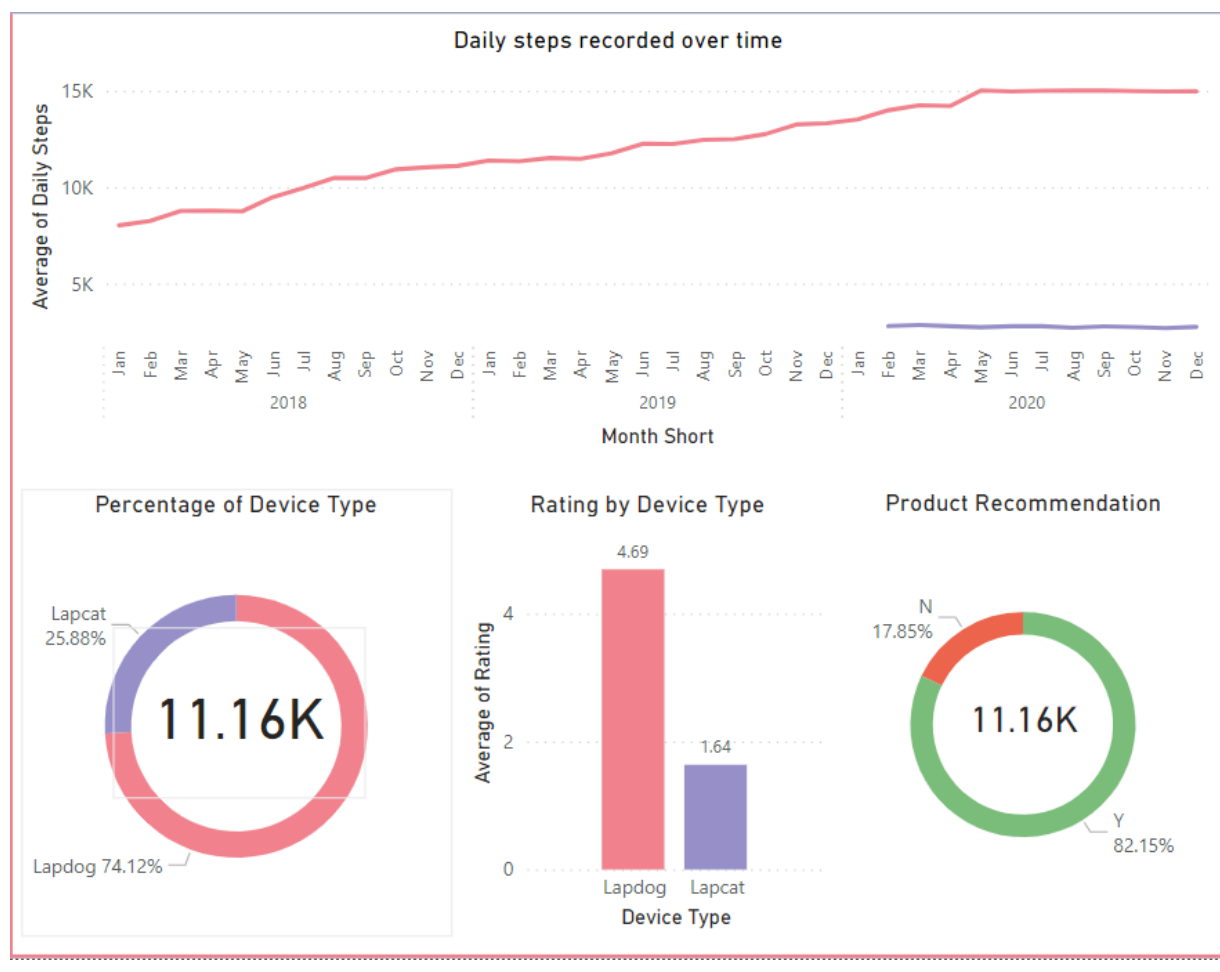
- Report includes a second page focused on visualizations related specifically to the pets dataset.
- Report includes a third page focused on visualizations related specifically to the families dataset.
- These pages include at least one example of each of these seven visualizations: Bar chart, line chart, table/matrix, donut chart, card, scatter plot, and bubble map.

Excellent additional pages

✔️ Well done including a second page focused on visualizations related specifically to the pets dataset.

✔️ Well done including a third page focused on visualizations related specifically to the families dataset.

Awesome job using 7 types of plots

✔️ Well done using bar plot with categorical data, especially visualized with countsLine charts: ✔️ Well done using line plots especially averages and rates over time

✔️ Well done using donut charts with proportions/percentages for categorical data

✔️ Well done using table with table: Highly granular data

✔️ Well done using scatter plot with two numerical fields, specifically looking to evaluate the relationship between the two and identify outliers

✔️ Well done using card with a single-output aggregation with no categories to compare

✔️ Excellent job using of map for geographic fields paired with an aggregation

Useful Links

- Complete Guide to Bar Charts
- Complete Guide to Area Charts
- Pie vs Donus Plots
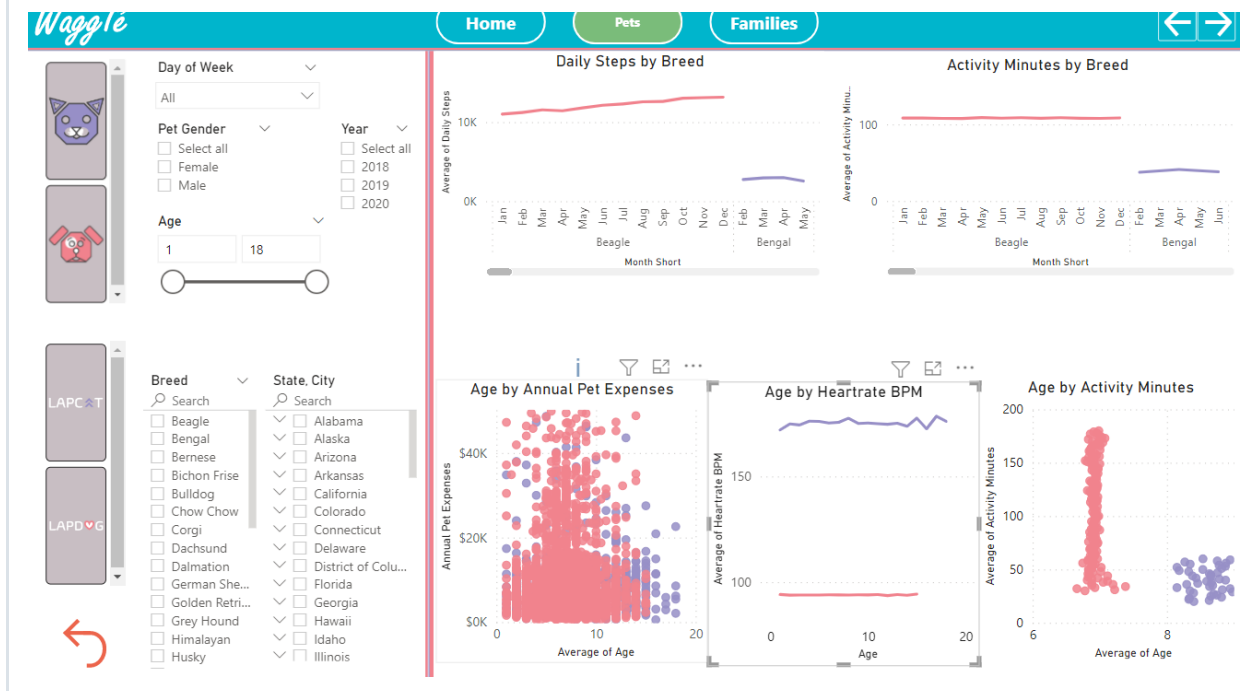
Layout & Report Design

✓

Report includes a custom Power BI theme that incorporates the provided branding colors, as well as the Waggle logo in a banner or header.

Well done having built a custom theme from the provided color codes and used as the primary "data color" palette throughout the report.

In the Udacity Classroom, there is a very clear lesson about creating a Power BI custom theme:

Useful Resources

- [Create Themes in PowerBI])(https://learn.microsoft.com/en-us/power-bi/create-reports/desktop-report-themes)
- The Complete Guide to Power BI Themes
- Create Themes in PowerBI
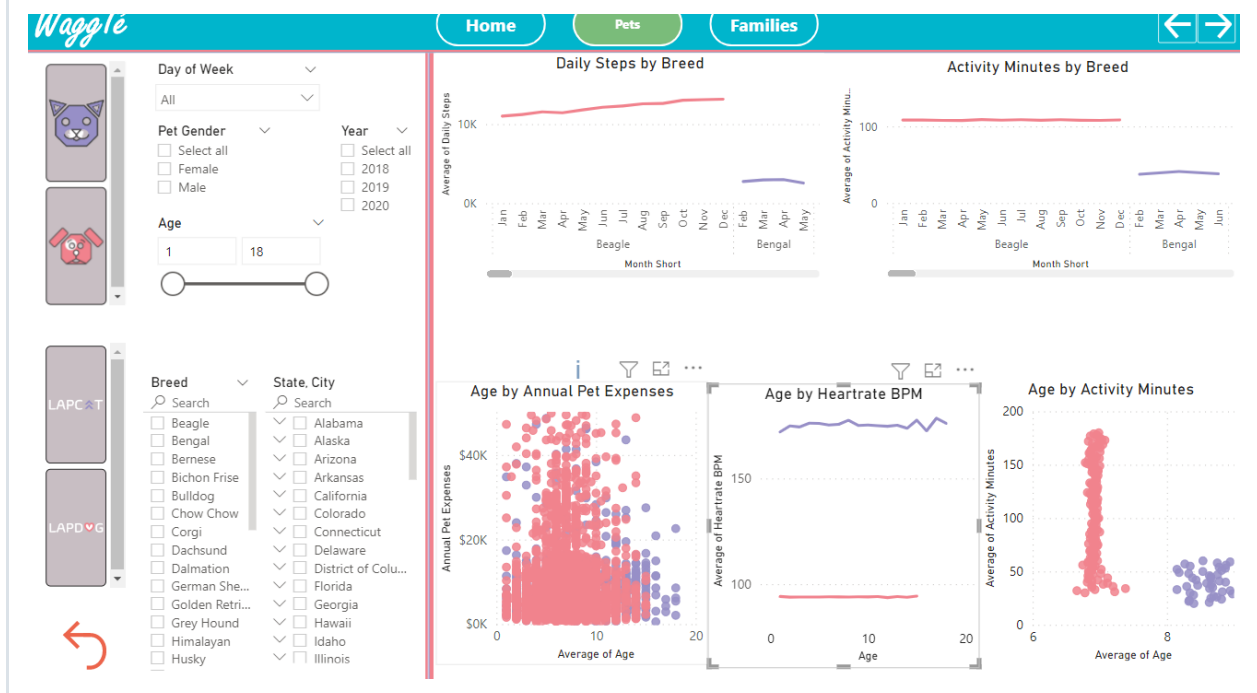
- **Report colors are consistent from start to finish, with the same color being used consistently for the same concept.**

Example: If the color green is selected to represent Lapdog data callouts on page one, that color does not randomly switch to purple on the next page.

- **Also, appropriate color layering is used so that text and data points can be easily distinguished from any background colors that might be used.**

✔️ Well done using consistent colors from start to finish, with the same color being used consistently for the same concept.

✔️ Appropriate color layering is used so that text and data points can be easily distinguished from any background colors that might be used.

Useful Links

- [Choosing a Color Palette For Your Power BI Report](#)
- [5 Colors to Avoid](#)
- [TOP 13 DASHBOARD DESIGN MISTAKES](#)

✔️
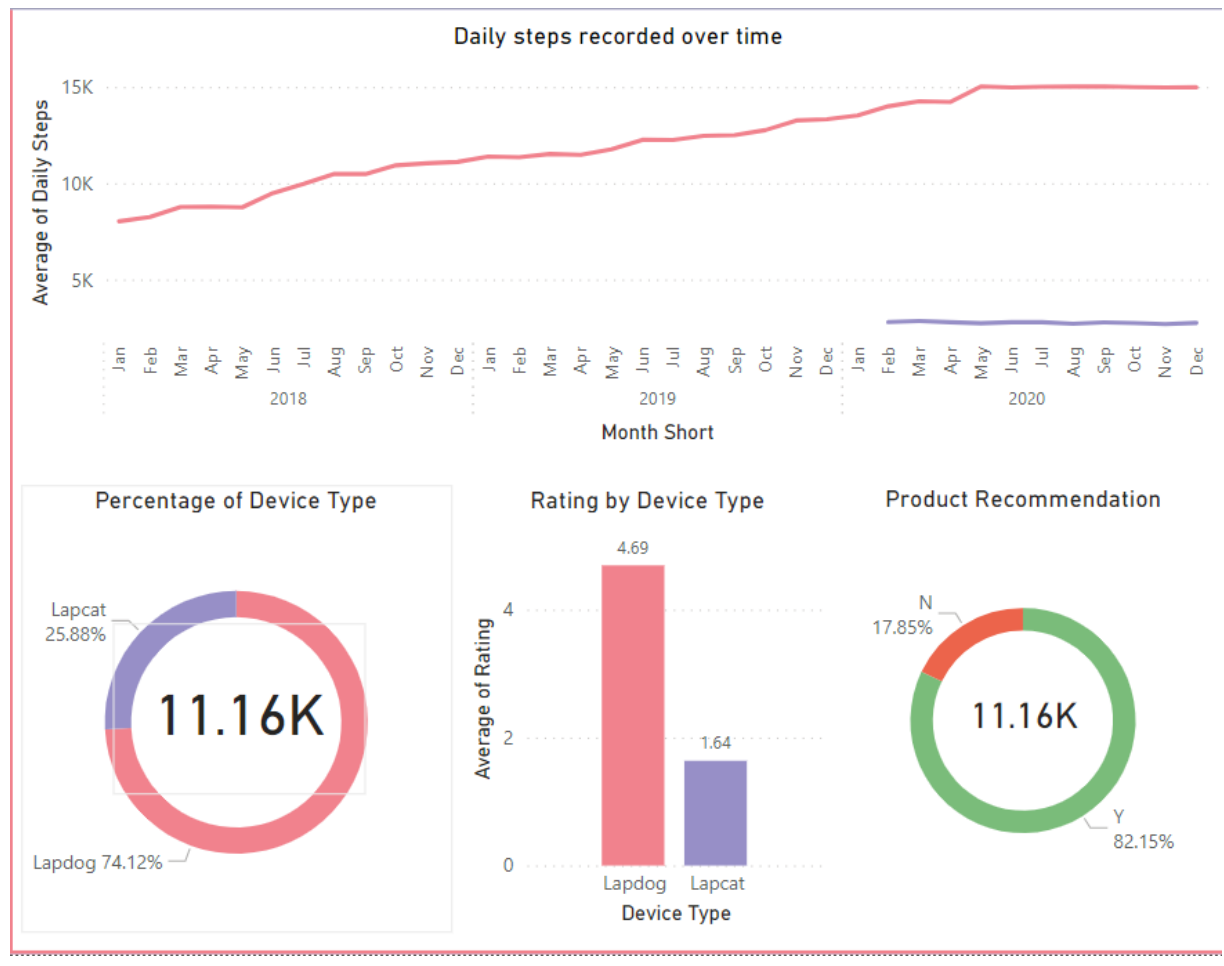
Report includes three pages, with the first focusing on the CEO's driving business questions, the second focusing on pet demographics, and the third focusing on family and/or household insights.

Well done here having 3 pages with the proper naming and labels
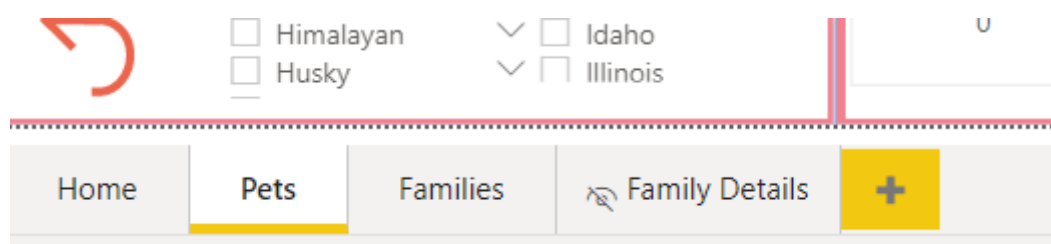
Interactivity & Filtering

✔

- Report includes at least five slicers on each page that users can use to filter the report.
- Report includes at least one example of each of the following slicer types: A drop-down slicer, a slider slicer, a hierarchy slicer, a slicer with a search box, and a slicer with "select all" enabled.

The report has the necessary slicers on each page to filter some of the most important features in the Waggle data.

✔ Minimum of 5 slicers provided per page on all pages
✔ Drop Down Slicer
✔ Slider Slicer
✔ Hierarchy Slicer
✔ Search Box Slicer
✔ A Slicer with a "Select All" enabled

Day of Week

All ⌄

Pet Gender	Year ⌄
☐ Select all	☐ Select all
☐ Female	☐ 2018
☐ Male	☐ 2019
	☐ 2020 ▽ ⤢ ⋯

Year, Mon... ⌄   **State, City** ◇ ⌄

⌄ ☐ 2018   🔍 Search
⌄ ☐ 2019   ⌄ ☐ Alabama
⌃ ☐ 2020   ⌄ ☐ Alaska
    ☐ Jan   ⌄ ☐ Arizona
    ☐ Feb   ⌄ ☐ Arkansas
    ☐ Mar   ⌄ ☐ California
    ☐ Apr   ⌄ ☐ Colorado
    ☐ May   ⌄ ☐ Connecticut
    ☐ Jun   ⌄ ☐ Delaware
    ☐ Jul   ⌄ ☐ District of Colu...
    ☐ Aug   ⌄ ☐ Florida
    ☐ Sep   ⌄ ☐ Georgia
    ☐ Oct   ⌄ ☐ Hawaii
    ☐ Nov   ⌄ ☐ Idaho
    ☐ Dec   ⌄ ☐ Illinois

Date

1/1/2018	12/31/2020

◯————————◯

Useful Resources

- Difference between filter and slicers
- Create TopN filter

Controls & Navigation

✓

- Report includes at least one bookmark that swaps one visual out with a different visual (visuals are allowed to be the same type but must have a different attribute).
- The buttons for triggering the bookmarks indicate which bookmark is active or inactive.
- Report includes at least one bookmark that resets all filters on a page to their default state.
- The button(s) for triggering the filter reset must alert the user by changing size or color when users hover.

✔️ Well done including at least one bookmark that swaps one visual out with a different visual
✔️ The buttons for triggering the bookmarks indicate which bookmark is active or inactive
✔️ Excellent job having one bookmark that resets all filters on a page to their default state
✔️ The button(s) for triggering the filter reset must alert the user changes with hover over

Useful Resources

- Having greater interactivity
- Bookmark tips and tricks

✓
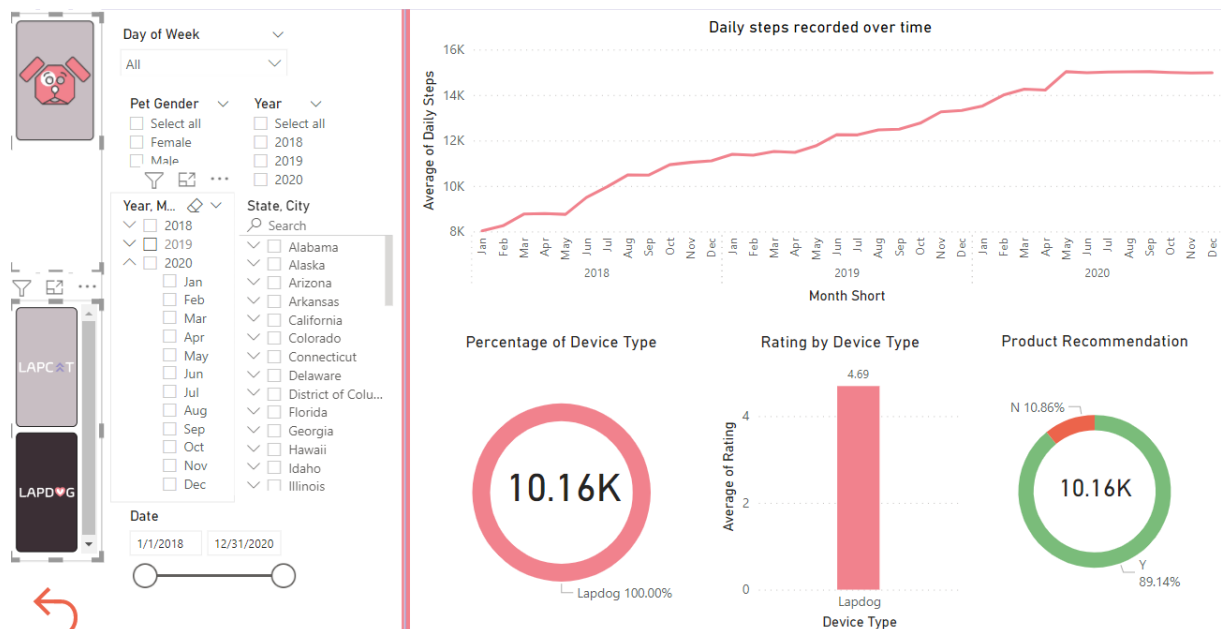
- Report includes at least two buttons that can be used to navigate the report.
- Report demonstrates that students understand the core formatting capabilities of buttons. All buttons should respond to interaction when the user hovers over them by changing color and slightly changing size or thickness.

✔ Well done including at least two buttons that can be used to navigate the report

✔ All buttons responds to interaction when the user hovers over them

Useful Links

- Making Reports more interactive
- Drill through

⬇ DOWNLOAD PROJECT

RETURN TO PATH

Rate this review

START