

Assignment Storytelling

Tell the story of the two attached dashboards using the concept of connected visualizations:

Dashboard #1:



Explanation:

This is an interactive dashboard provided by SmartHome (Home Automation System) that gives their customer access to control their home setting such as security, heating, lights, etc and provides them with useful insights through which they can reduce energy consumption. The story telling of this dashboard will be author-driven since the narrative is static and authoritative.

The first card represents the 'total consumption', meaning that the total amount of the energy consumed by the house over a period of time is 1620 kWh. The graph represents the consumption of energy by day/month and shows that there a sudden downfall in the consumption recently. The 'Consumption by room' gives the classification of energy consumed each room in the form of pie chart. As you can see, the living room has the highest consumption rate i.e., 32% of the total house's energy and the garage consumes the least energy with 8% consumption rate. While, the rest of the rooms have an consumption rate between 10% to 20%.

On the top right side of the dashboard automated controls are given for different functionality of the house such as lights, heating, cooling, kitchen, etc. The control highlighted with green represent that they are switched on and the grey colored icons represent they are switched off. In the 'Heating' section of the dashboard, the rooms highlight with green represent those room where the heating functionality is on and the progress bar right next to it represents the room temperature in these rooms i.e., 24 C.

Dashboard #2:



Explanation:

This is a Financial Management dashboard which provides us with an overview of a company's important KPI's and provides useful insights through which they can measure/compare company's finances over a period of 12 months. The story telling of this dashboard will also be author-driven since the narrative is static and authoritative.

The first cards displayed at the top left of the dashboard gives general information. The first card 'Total account receivable' which is the amount of money yet to paid by the customers i.e. \$6,621,280 and the card 'Total account payable' represents the liability on the company's balance sheet i.e. \$1,630,270. The 'Equity Ratio' represents the company's assets which are financed by stockholders in percentage i.e. 75.38%. The 'Debt Equity' represents in percentage of the creditors and shareholders' in the capital employed by business which is 1.10%.

The 'total account receivable and payable aging' is bar graph which represents the which shows the comparison between Account receivable and Payable aging with due dates which can used in the future to get an idea what the future financial statements would look like.

Then there are meter scorecards which displays the current ratio, day sales inventory, day sales outstanding and days payable outstanding.

The 'Net Working Capital vs Gross Working Capital' is a line graph which represent the monthly comparison of these two attributes. Here it can be seen that the month August has the highest Net working capital as well as gross working capital.

The 'Profit and Loss Summary' is a stacked bar chart which represents the summary of loss and profit with respect to each month of the year. Here the stacked bars are colored code same as the meter scorecard and contain the values i.e., Sales, Cost of Goods Sold and OE. Also, the bar colored dark blue and red shows the amount of profit and loss. Here, it can be seen that in the month of March, Feb and June losses were incurred with March having the highest loss with approx. 125K. After the month of August significant increasing trend in profit can be seen.