Results

Q1 – Title image

Automobile Sales Statistics Dashboard

Q2 – Drop Down Lists

Select Report Type:

Which report would you like to display, yearly or recession?

Yearly Statistics

Year:

Which year would you like to display for the yearly report?

2005

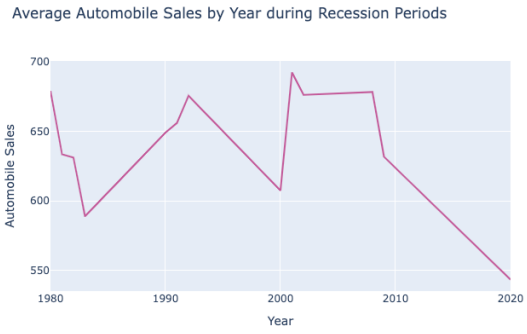
Q3 – Output Divisions

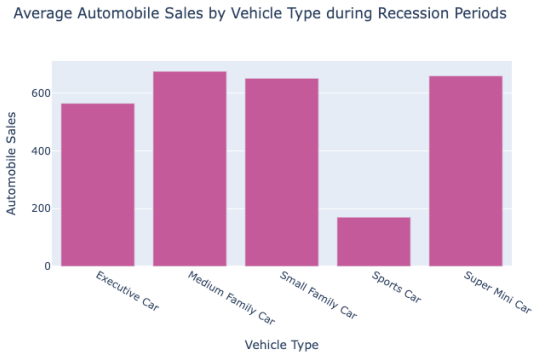
```
        ),
        html.Div(
            [
                html.Label(
                    "Select Report Type:",
                    className="text-base font-semibold text-gray-900",
                    htmlFor="input-report",
                ),
                html.P(
                    "Which report would you like to display, yearly or recession?",
                    className="text-sm text-gray-500",
                ),
                dcc.Dropdown(
                    options=[
                        {"label": "Yearly Statistics", "value": "Yearly"},
                        {"label": "Recession Period Statistics", "value": "Recession"},
                    ],
                    value="Yearly",
                    id="input-report",
                ),
            ],
            className="mt-4",
        ),
        html.Div(
            [
                html.Label(
                    "Year:",
                    className="text-base font-semibold text-gray-900",
                    htmlFor="input-year",
                ),
                html.P(
                    "Which year would you like to display for the yearly report?",
                    className="text-sm text-gray-500",
                ),
                dcc.Dropdown(
                    sorted(df.Year.unique()), value=2005, id="input-year", disabled=True
                ),
```

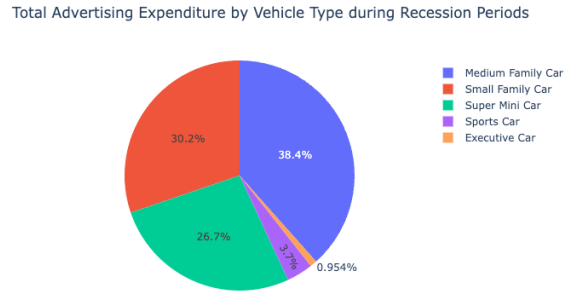
Q4 – Callbacks

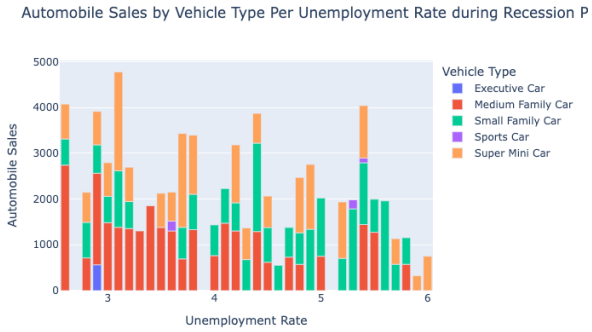
```python
@callback(Output("input-year", "disabled"), Input("input-report", "value"))
def disable_year(report_value):
    if report_value == "Recession":
        return True
    else:
        return False


@callback(
    [
        Output(component_id="plot-1", component_property="figure"),
        Output(component_id="plot-2", component_property="figure"),
        Output(component_id="plot-3", component_property="figure"),
        Output(component_id="plot-4", component_property="figure"),
    ],
    [
        Input(component_id="input-report", component_property="value"),
        Input(component_id="input-year", component_property="value"),
    ],
)
def display_graphs(report_value, entered_year):
    if report_value == "Recession":
        return recession_graphs()
    else:
        return year_graphs(entered_year)

```

Q5 – Recession Report graphs









Q6 – Yearly Report graphs