

```

selected_layers = [
    layer
    for layer_name, layer in ALL_LAYERS.items()
    if st.sidebar.checkbox(layer_name, True)
]
if selected_layers:
    st.pydeck_chart(
        pdk.Deck(
            map_style="mapbox://styles/mapbox/light-v9",
            initial_view_state={
                "latitude": 37.76,
                "longitude": -122.4,
                "zoom": 11,
                "pitch": 50,
            },
            layers=selected_layers,
        )
    )
else:
    st.error("Please choose at least one layer above.")
except URLError as e:
    st.error(
        """
        **This demo requires internet access.**

        Connection error: %s
        """
        % e.reason
    )

page_names_to_funcs = {
    "-": intro,
    "Plotting Demo": plotting_demo,
    "Mapping Demo": mapping_demo,
    "DataFrame Demo": data_frame_demo
}

demo_name = st.sidebar.selectbox("Choose a demo", page_names_to_funcs.keys())
page_names_to_funcs[demo_name]()

```

$\text{demo\_name} = \text{"Plotting Demo"}$   
 $\text{page\_names\_to\_funcs}[\text{"Plotting Demo"}]()$   
 $\text{plotting\_demo()}$   
 $\text{intro}()$