Assignment 03 - AI Prompts

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| Important |
| CAN YOU GIVE ME COLOR TO PLOT SCATTER PLOT FOR 6 GROUPS IN PLOTLY - #E0FFFF #B0E0E6 #AFEEEE #FFE4E1 #FFFACD #D8BFD8 |

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| Tip |
| Absolutely! Those hex codes you’ve chosen form a soft, pastel palette that works beautifully for visualizing distinct groups in a scatter plot. Here’s how you can use them in Plotly: 0.1 🎨 Color Palette for 6 Groups These hex codes correspond to gentle tones that are easy on the eyes and offer good contrast:   | Group | Color Name | Hex Code | | --- | --- | --- | | 1 | Baby Blue | #E0FFFF | | 2 | Powder Blue | #B0E0E6 | | 3 | Blizzard Blue | #AFEEEE | | 4 | Light Pink | #FFE4E1 | | 5 | Lemon Chiffon | #FFFACD | | 6 | Thistle | #D8BFD8 |  0.2 📊 Example in Plotly (Python) Here’s how you can apply these colors in a scatter plot using Plotly:  import plotly.express as px import pandas as pd  # Sample data df = pd.DataFrame({  'x': [1, 2, 3, 4, 5, 6],  'y': [10, 15, 13, 17, 14, 16],  'group': ['A', 'B', 'C', 'D', 'E', 'F'] })  # Define color mapping color\_map = {  'A': '#E0FFFF',  'B': '#B0E0E6',  'C': '#AFEEEE',  'D': '#FFE4E1',  'E': '#FFFACD',  'F': '#D8BFD8' }  # Plot fig = px.scatter(df, x='x', y='y', color='group',  color\_discrete\_map=color\_map,  title='Scatter Plot with Custom Colors') fig.show()  This will give each group a distinct pastel shade, making your plot both informative and visually appealing. Want help customizing marker shapes or adding hover info? I’ve got you covered. |