

## Question

Change the color palette to the diverging palette named 'RdBu' and use it to display the count plot of survey responses about 'Parents Advice.' Ensure the data is ordered as ['Never', 'Rarely', 'Sometimes', 'Often', 'Always'].

## Explanation of the Question

This question requires modifying the plot with the 'RdBu' diverging color palette to improve clarity and representation. The task involves reordering categories logically to enhance interpretability and applying color gradients to highlight differences visually.

## Full Answer

```
import seaborn as sns
import matplotlib.pyplot as plt

# Change the style to "whitegrid"
sns.set_style("whitegrid")

# Change the color palette to "RdBu"
sns.set_palette("RdBu")

# Define the order of categories
category_order = ["Never", "Rarely", "Sometimes", "Often", "Always"]

# Create a count plot
sns.catplot(x="Parents Advice",
            data=survey_data,
            kind="count",
            order=category_order)

# Show plot
plt.show()
```

## Explanation of the Answer

The solution utilizes Seaborn to style the plot as 'whitegrid' for enhanced readability. The diverging 'RdBu' palette provides visual contrast for category differentiation. The `catplot` function creates a count plot with reordered categories for better data representation and understanding of survey responses about parental advice.