Weather Forecast Report

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Introduction

The weather forecast for the upcoming week is as follows:

- Monday: *Sunny* with temperatures around **25°C**
- Tuesday: *Cloudy* with temperatures around **22°C**
- Wednesday: *Rainy* with temperatures around **20°C**

Data Analysis

Creating Temperature Data

```
days <- c("Monday", "Tuesday", "Wednesday", "Thursday", "Friday")
temperatures <- c(25, 22, 20, 23, 24)
days
```
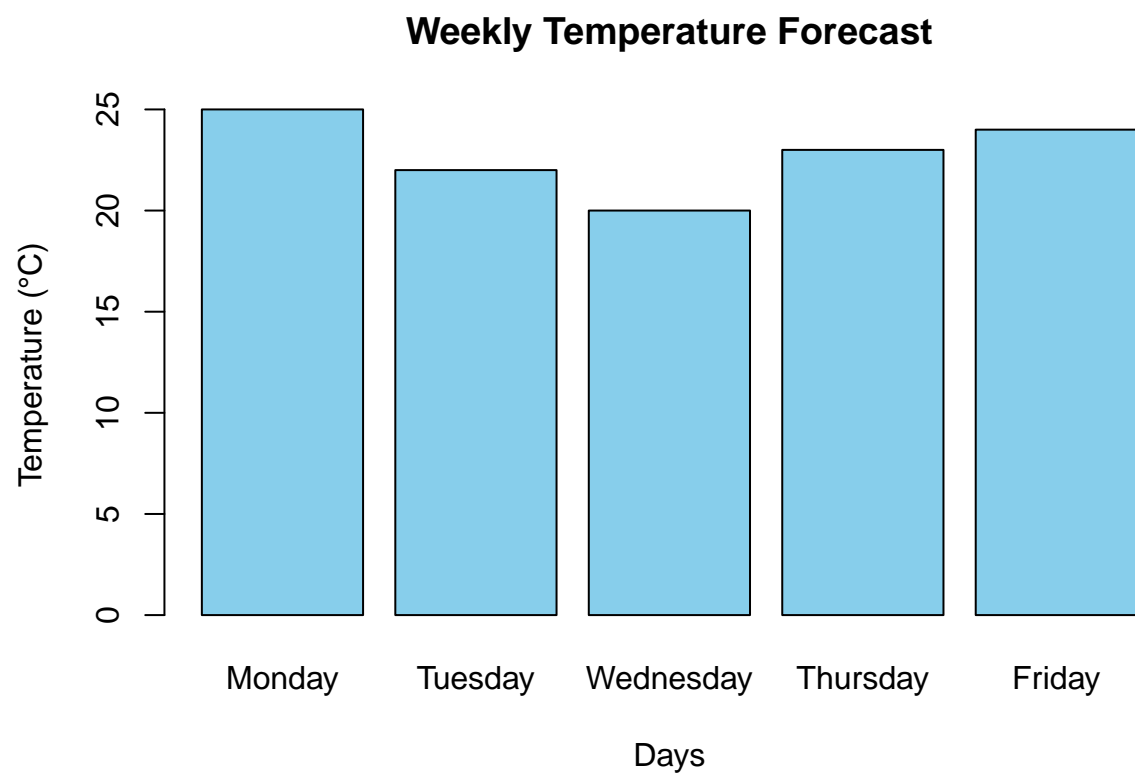
```
## [1] "Monday"    "Tuesday"   "Wednesday" "Thursday"  "Friday"
```

```
temperatures
```

```
## [1] 25 22 20 23 24
```

Plot Weekly Temperature Forecast

```
barplot(
  temperatures,
  names.arg = days,
  col = "skyblue",
  main = "Weekly Temperature Forecast",
  xlab = "Days",
  ylab = "Temperature (°C)"
)
```

Weekly Temperature Forecast

Conclusion

This Weather Forecast Report demonstrates how R Markdown can be used to format text, analyze data, visualize results, and generate a professional PDF report.