Revenue Report

Zach Tallevast

Setup

Revenue Data (30 Days)

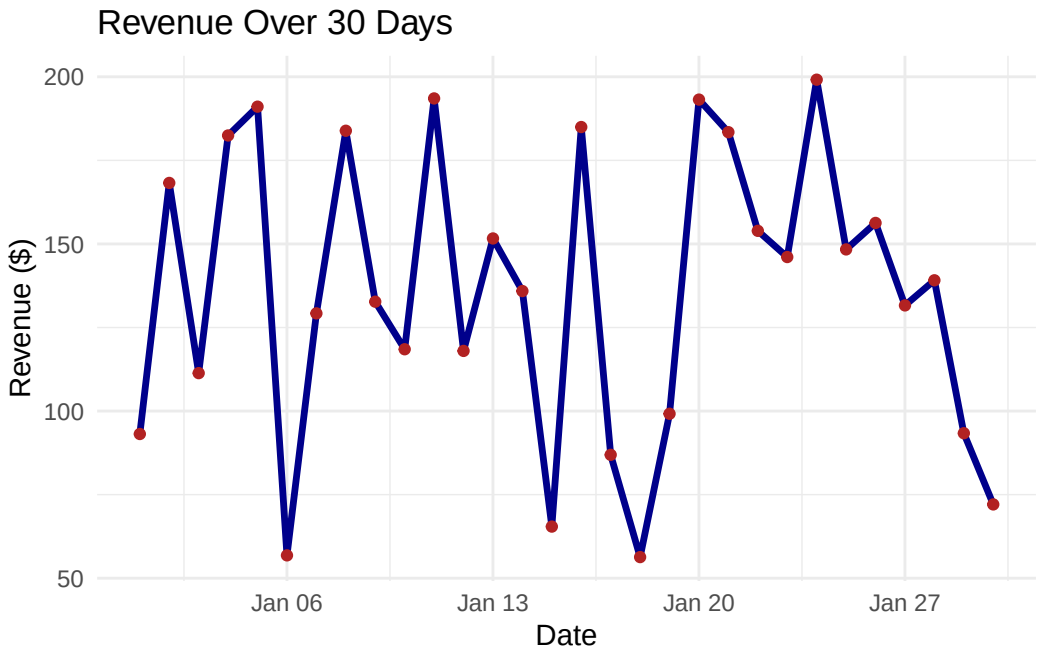
```
# Generate the simulated revenue data
revenue_data <- tibble(
  Date = seq(as.Date("2025-01-01"), by = "day", length.out = params$num_days),
  Revenue = round(runif(params$num_days, 50, 200), 2)
)

# Display the first few rows
head(revenue_data)
```

```
# A tibble: 6 x 2
  Date       Revenue
  <date>       <dbl>
1 2025-01-01    93.1
2 2025-01-02   168.
3 2025-01-03   111.
4 2025-01-04   182.
5 2025-01-05   191.
6 2025-01-06    56.8
```

```
# Line and point plot of revenue over time
ggplot(revenue_data, aes(x = Date, y = Revenue)) +
  geom_line(color = "darkblue", linewidth = 1.2) +
  geom_point(color = "firebrick") +
  labs(
    title = paste("Revenue Over", params$num_days, "Days"),
    y = "Revenue ($)",
```

```
    x = "Date"
  ) +
  theme_minimal()
```




```
# Compute summary statistics
revenue_data |>
  summarise(
    Total_Revenue = sum(Revenue),
    Avg_Revenue = mean(Revenue),
    Max_Revenue = max(Revenue),
    Min_Revenue = min(Revenue)
  )
```

```
# A tibble: 1 x 4
  Total_Revenue Avg_Revenue Max_Revenue Min_Revenue
          <dbl>       <dbl>       <dbl>       <dbl>
1         4076.        136.        199.        56.3
```

```
  #quarto render revenue_report.qmd --to pdf --execute --params num_days:60
#quarto render revenue_report.qmd
```