Homework Grading Report

Student Name:	Ramiro Cavazos
Assignment:	Assignment 1 - Introduction to R
Graded On:	October 03, 2025 at 02:47 PM
Final Score:	34.5 / 37.5 points (92.0%)

Score Summary

Overall Performance: Excellent (92.0%)

Instructor Assessment

Your work demonstrates strong engagement with the assignment, particularly in your thoughtful reflection responses. You've successfully completed the required analyses and shown good understanding of the concepts. Your identification of data■quality issues in the Comments dataset is especially well done. For future work, consider implementing concrete cleaning steps (e.g., separating email and phone fields) and linking the Ratings data to product information to deepen your analysis. Overall, excellent progress in developing your analytical skills.

Technical Analysis

Code Strengths:

- Successfully implements data import using read_csv and read_excel functions producing correct results
- Uses tidyverse and readxl packages appropriately for data import tasks
- Code executes without errors and generates expected outputs for data inspection

Code Improvement Suggestions:

- Consider using print() consistently for all data inspection outputs: print(head(ratings_df))
- Could enhance structure inspection by using str(ratings_df) directly instead of paste('Structure:', str(ratings_df))
- Alternative approach for summary statistics: summary(sales_df) is already correct, but could add specific column analysis like summary(sales_df$Amount)

Technical Observations:

- Demonstrates solid understanding of data import and inspection workflows
- Appropriate use of base R functions for data exploration in business analytics context
- Code organization supports reproducible analysis with clear section breaks

Additional Code Enhancement Examples:

Data Exploration Enhancement:

```
# More comprehensive data inspection
glimpse(sales_df) # dplyr alternative to str()
skimr::skim(sales_df) # Detailed summary statistics
DataExplorer::plot_missing(sales_df) # Visualize missing data
```

Data Visualization:

```
# Basic plots for data exploration
ggplot(sales_df, aes(x = amount)) + geom_histogram()
ggplot(sales_df, aes(x = category, y = amount)) + geom_boxplot()
```

Data Cleaning:

```
# Handle missing values
sales_df <- sales_df %>%
filter(!is.na(amount)) %>%
mutate(amount = ifelse(amount < 0, 0, amount))
```

Performance by Category