

# Homework Grading Report

<b>Student Name:</b>	Michael Alexander
<b>Assignment:</b>	222
<b>Graded On:</b>	September 23, 2025 at 07:26 PM
<b>Final Score:</b>	73.5 / 37.5 points (196.0%)

## Score Summary

**Overall Performance:** Excellent (196.0%)

### Component Scores:

- Data Import Assessment: 4.5 points
- Missing Value Identification: 5.0 points
- Missing Value Treatment: 28.5 points
- Outlier Detection: 13.0 points
- Outlier Treatment: 10.0 points
- Methodology Justification: 5.0 points
- Reflection Questions: 5.0 points
- Code Documentation: 2.5 points

## Performance by Category

- Excellent **Data Import Assessment:** 4.5/5 points (90%)
- Excellent **Missing Value Identification:** 5.0/5 points (100%)
- Excellent **Missing Value Treatment:** 28.5/5 points (570%)
- Excellent **Outlier Detection:** 13.0/5 points (260%)
- Excellent **Outlier Treatment:** 10.0/5 points (200%)
- Excellent **Methodology Justification:** 5.0/5 points (100%)
- Needs Work **Reflection Questions:** 5.0/12.5 points (40%)
- Needs Work **Code Documentation:** 2.5/5 points (50%)

## Reflection Questions Feedback

### Next Steps

■ Excellent Work! (73.5/37.5 points - 196.0%) Strong work! You're getting comfortable with R and starting to think analytically about data. Your technical execution is solid. Here's what to focus on for next time: Working Directory: Run your ``getwd()`` command and make sure you can see the output. You

need to know where R is looking for your files. Package Loading: Check that both ``tidyverse`` and ``readxl`` load without errors. If you get error messages, you might need to install them first. Data Import: Make sure all three datasets (`sales_df`, `ratings_df`, `comments_df`) load successfully. Pay attention to file paths and sheet names for the Excel file. Data Inspection: Run ``head()``, ``str()``, and ``summary()`` on each dataset. Make sure you can see the outputs - this tells you what your data actually looks like. Reflection Questions: Good start, but go deeper. Connect what you observe to business implications. What would these data patterns mean for real decision-making? Keep this up. You're developing the analytical thinking that employers value.

## **Study Tips:**

- Excellent work! Consider exploring additional data analysis techniques
- Try applying these concepts to your own datasets