**Evaluation of Assignment 2 Submission**

**Strengths:**

1. **Code Structure & Readability:** The code is well-structured with clear imports and organized functions. The logic behind predicting heifer body weight is implemented properly.
2. **Use of Python Libraries:** The submission correctly utilizes pandas, numpy, and matplotlib for data processing and visualization.
3. **Mathematical Logic Application:** The function predict\_heifer\_body\_weight() appropriately applies the given equation for predicting body weight, ensuring it stays within the constraints (minimum birth weight and max body weight).
4. **Data Extraction:** The code extracts relevant columns from the provided Excel sheet, ensuring clean numeric data.
5. **Visualization:** A scatter plot is generated to display the predicted heifer body weights over time, which aids in interpretation.

**Areas for Improvement:**

1. **Lack of Markdown Explanations:** There are no markdown cells explaining the approach taken. Clear markdown sections explaining the methodology, equations used, and biological interpretations would improve clarity.
2. **Missing Other Components:** The assignment requires modeling lactation curves, dry matter intake, and culling probability. The current notebook primarily focuses on body weight prediction.

**Score: 8/10**