

## Comprehensive Analysis and Dietary strategies with tableau: A College Food Choices Case Study

### 9.2 - Disadvantages

- **High Cost:** Tableau software and maintenance can be expensive for small institutions.
- **Need for Technical Skills:** Requires trained personnel to create and interpret dashboards.
- **Data Privacy Issues:** Student health and food data must be protected to avoid misuse.
- **Data Accuracy Dependency:** Incorrect or incomplete data leads to wrong analysis and decisions.
- **Time-Consuming Data Collection:** Gathering survey and cafeteria data may take time.
- **Over-Reliance on Technology:** Decisions may depend too much on visual data without considering human factors.
- **Limited Personalization:** Strategies may not fully address individual student health conditions.
- **Steep Learning Curve:** Advanced features like calculated fields, LOD expressions, and data modeling can be difficult for beginners.
- **Limited Data Preprocessing:** Tableau is not a full data-cleaning tool; messy data often needs preparation in other software before importing.
- **Performance Issues with Large Data:** Dashboards may become slow when handling very large datasets.
- **Dependence on Internet (for Online Versions):** Tableau Cloud requires stable internet connectivity for access and sharing.
- **Limited Customization in Free Version:** Tableau Public has storage and privacy limitations.
- **Data Security Risks in Public Sharing:** Publishing dashboards publicly may expose sensitive information if not handled carefully.
- **Compatibility Issues:** Some complex data sources may require additional connectors or configuration.
- **Regular Updates Required:** Frequent software updates may require retraining or system adjustments.
- **Hardware Requirements:** Large dashboards require systems with good RAM and processing power.
- **Subscription-Based Pricing Model:** Ongoing licensing costs may strain budgets over time.
- **Limited Advanced Statistical Analysis:** Compared to tools like Python or R, Tableau has fewer advanced statistical modeling capabilities.