Assignment 3

Due on 2023-10-10, 05:00 AM

Unit 5 - Week 3

Course Outline

Hypothesis: Assignment

- Week 1: Hypothesis: Assignment
  - Lab 1: Week 1: Hypothesis: Assignment
  - Lab 2: Week 1: Hypothesis: Assignment
  - Lab 3: Week 1: Hypothesis: Assignment
- Week 2: Hypothesis: Assignment
  - Lab 1: Week 2: Hypothesis: Assignment
  - Lab 2: Week 2: Hypothesis: Assignment
  - Lab 3: Week 2: Hypothesis: Assignment
- Week 3: Hypothesis: Assignment
  - Lab 1: Week 3: Hypothesis: Assignment
  - Lab 2: Week 3: Hypothesis: Assignment
  - Lab 3: Week 3: Hypothesis: Assignment
- Week 4: Hypothesis: Assignment
  - Lab 1: Week 4: Hypothesis: Assignment
  - Lab 2: Week 4: Hypothesis: Assignment
  - Lab 3: Week 4: Hypothesis: Assignment
- Week 5: Hypothesis: Assignment
  - Lab 1: Week 5: Hypothesis: Assignment
  - Lab 2: Week 5: Hypothesis: Assignment
  - Lab 3: Week 5: Hypothesis: Assignment
- Week 6: Hypothesis: Assignment
  - Lab 1: Week 6: Hypothesis: Assignment
  - Lab 2: Week 6: Hypothesis: Assignment
  - Lab 3: Week 6: Hypothesis: Assignment

Assignment 3

**Scenario:**

You are the manager of a company that produces a new type of smartphone. The company is facing a problem with the production of the new smartphone due to the limited availability of a new type of battery. The battery manufacturer has informed you that they can only supply a limited number of batteries per day. You need to plan the production schedule for the next week to ensure that the company can meet the demand for the new smartphones.

**Tasks:**

1. **Task 1:** Determine the production schedule for the next week.
2. **Task 2:** Calculate the inventory levels for the next week.
3. **Task 3:** Analyze the cost implications of the production schedule.

**Instructions:**

- Use the provided spreadsheet to calculate the production schedule, inventory levels, and cost implications.
- Submit your spreadsheet along with a report summarizing your findings.

**Grading Criteria:**

- Accuracy of calculations and data entry.
- Clarity and organization of the report.
- Proper use of graphs and charts to illustrate findings.

**Submission Deadline:**

Submit your report and spreadsheet by the end of the week.