Question 1.1

Step 1 - Setup Data in Spss

→ Enter data into new Var (Sysfailures).

Step 2 - Run Descriptive Statistics in SPSS

→ Analyse → Descriptives

→ Select Var (Sysfailure)

→ OK

Step 3 - Write up in Report

- Calculate the Reduction

$$\text{Reduction} = \text{mean}_{\text{without patch}} - \text{mean}_{\text{patch}}.$$

- Copy + Paste Descriptive Stats in Report.

Question 1.2

Step 1 - State Hypotheses in Report

H_0 : $\mu = 4.5$

H_1 : $\mu < 4.5$

Step 2 - Run One Sample t Test in SPSS

→ Analyse → Compare Means

→ One Sample t Test

→ Select Var (Sys fatiguing)

→ Enter Test Value 4.5

Step 3 - Interpret and Write up Test Results in Report

- Copy + Paste Test Results into report
- Interpret p value.
- State Conclusion.