**DELIVERABLE 4**

**Project Overview**

This project aims to conduct data analysis on AutoRUs new prototype called “Mecha Car. The analysis is expected to help the executive team of the company to review the production data

**##Summary Statistics on Suspension Coils**

Total Summary

Graphical user interface, application

Description automatically generated

Lot Summary

Table

Description automatically generated

**##T-Tests on Suspension Coils**

**All manufacturing lots**

Text

Description automatically generated

**Lot 1**

Graphical user interface, text

Description automatically generated

**Lot 2**

Graphical user interface, text, application

Description automatically generated

**Lot 3**

Graphical user interface, text

Description automatically generated

**##Study Design: MechaCar vs Competition**

We can use the ANOVA test to compare the MechaCar in a lot

IF p value > 0.005, that meant he MechCars has the same performance and would b the null hypothesis. If P< 0.05, we can reject the null hypothesis. We will have to check if the average of the MechaCar is above or below this hypothesis value average.