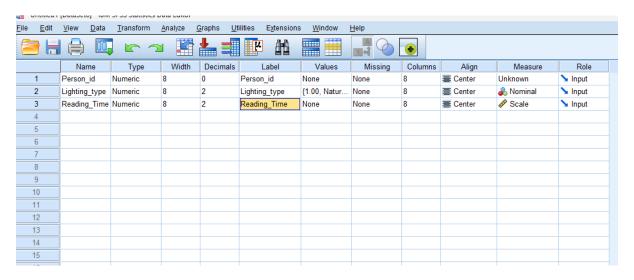
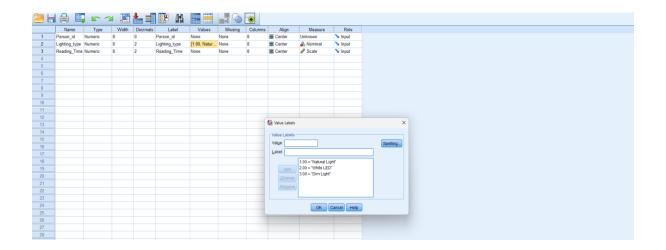
Name: Belhekar Suyash Bhausaheb

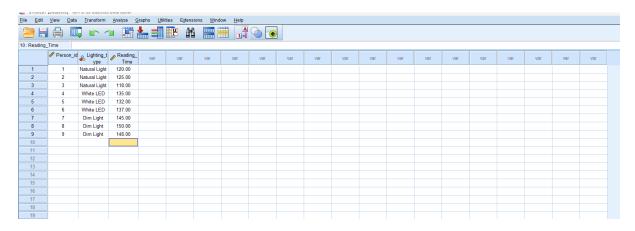
## PART A:

Step 1: Create Variable in Spss-





Step 2: Enter the data-



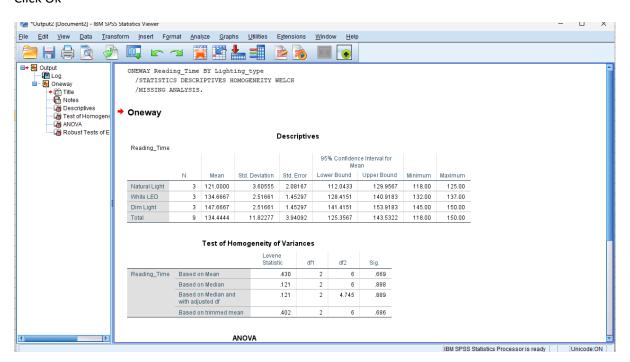
Step 3: Analyzing data using One way Anova

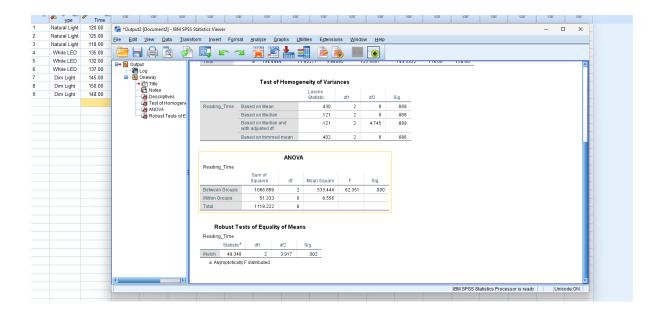
Go to Analyze->Compare Means->One Way Anova

Move reading Time to Dependent list

Move Lighting Type to Factor

## Click Ok





## Step 4:Final Conclusion:

Natural Light allows fastest reading

Dim Light slows reading the most

White LED is in between

Result is statistically significant → Lighting type impacts reading performance

## Step 5: Bar Chart Visualization

- 1. Click Graphs → Chart Builder
- 2. Select Bar Chart
- 3. Drag Lighting\_Type to x-axis and Reading\_Time to y-axis
- 4. Click OK to generate chart

Shorter bars = faster reading time.

