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ACTIVITY-2

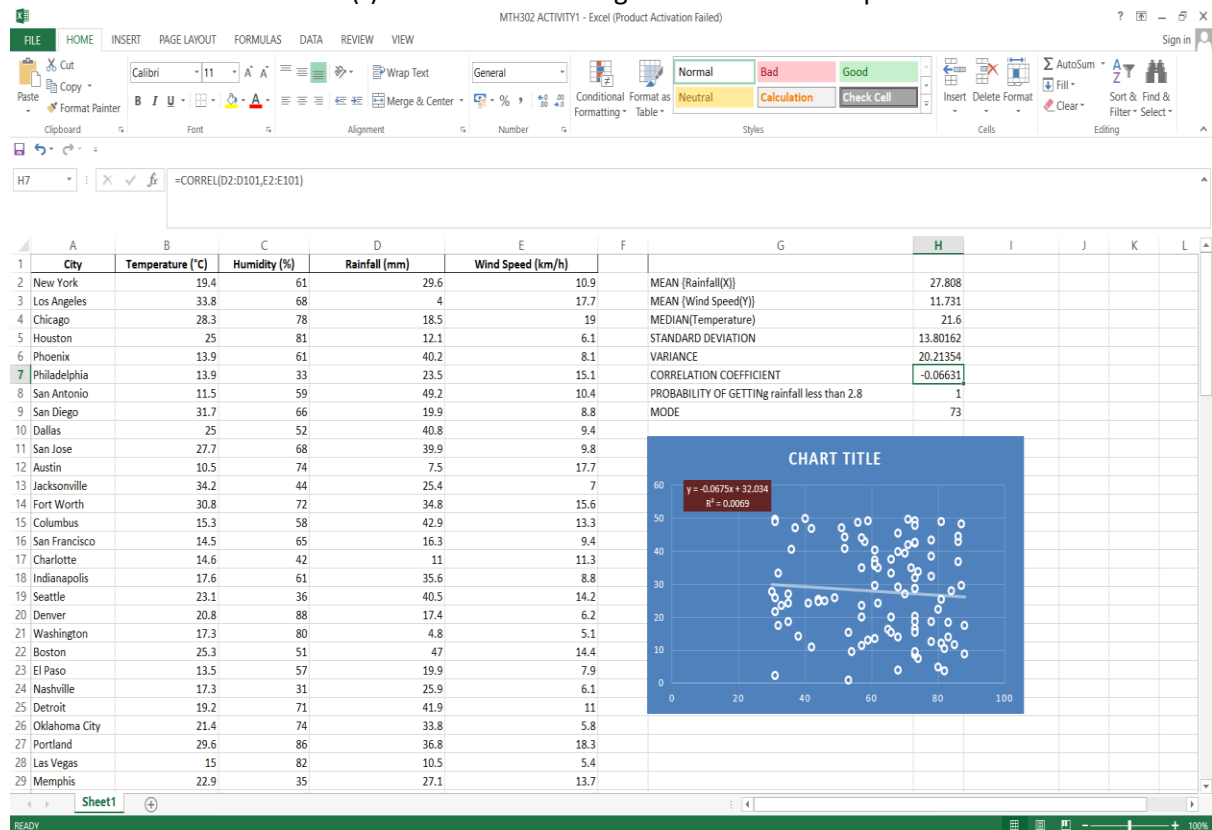
Real-life Data Analysis Challenge

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1. Correlation Coefficient (r) between the two variables:-

- The correlation coefficient (r) measures the strength of the relationship between X and Y.



2. Regression Line Equation ($Y = a + bX$) :

$$y = -0.0675x + 32.034$$

3. Coefficient of determination:

The coefficient of determination (R^2) shows how well the regression line fits the data.

$$R \text{ power } 2 = 0.0069$$

4. Scatter Plot of the data Steps:

- Select Data
 - Go to Insert → Scatter Plot
 - Click "Add Trendline"
 - Check "Display Equation on Chart" and "Display R^2 value"
- This visually represents the relationship between X and Y with the regression line.

