# Problem Statement

Use Excel to build a model to predict restaurant tips given input values with the mathematical equation for predicting the value of the tips.

# Task

1. Find out if there are any missing values and clean the data

# Output

A screenshot of a computer

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1. Find the features that are independent and dependent

# Output

A table with text on it

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1. Identify which predictive problem is needed

# Output

Regression Analysis is chosen.

1. Encode the categorical variables to numeric values using IF conditions

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A table of numbers and a number

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1. For each independent numeric value, find its correlation coefficient with respect to the tip.

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1. Calculate the predicted and actual tips values

# Output

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1. Calculate the RMSE (Root Mean Square Error) of the model.

# Output

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A table of numbers with numbers on it

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