

Labwork2: Data Description

Select **one or several** quantitative and qualitative variables in the dataset "SinhVienCaoDang.xlsx", then use **excel** to compute their parameters as following:

(1) For one qualitative variable:

- Use **SUM, COUNT, COUNTIF** to compute the frequencies
- Use **BAR, PIE** to draw the bar charts and pie charts

(2) For relation between two qualitative variables:

- Use **SUM, COUNT, COUNTIF, COUNTIFS** to compute the frequencies
- Use **BAR** to draw the bar charts

(3) For one quantitative variable:

- Use **MIN, MAX** to compute the extreme values.
- Use **AVERAGE, MODE, MEDIAN** to compute the Mean, Mode and median parameters.
- Use **VARP, VAR, STDEVP, STDEV** for the Variance and Standard Deviation parameters.
- Use **PERCENTILE, QUARTILE** for the Percentile and Quartile parameters.
- Use **HISTOGRAM** to draw the Histograms.

(4) For relation between 2 quantitative variables:

- Use **MIN, MAX, MED, MODE, QUARTILE, PERCENTILE** to compute the Minimum, Maximum, Median, Mode, Quartiles, Percentiles.
- Use **AVERAGE, AVERAGEIF, AVERAGEIFS** to compute the Mean Values.

- Use **VAR, VARP, STDEV, STDEVP** to compute the Sample Variance, Population Variance, Sample Standard Deviation, Population Standard Deviation.
- Use **COVAR, CORREL** to compute the Covariance, Correlation Coefficient.
- Use HISTOGRAM, SCATTER to draw the Histogram and Scatter Plot

Extra labwork2: You can practice more excel functions on the "Dataset2_SuckhoeTreEm-cleaned.xlsx", which is also uploaded to the moodle of the course.

Note:

- Use the **result of labwork1** to support you in doing labwork2
- The labwork will be required to submit to either google classroom or google drive folder to the course (will be informed later).