

Student Project Work Assignment (20%)

Direction:

1. Student can select to do project work as follows:
 - a) work Alone/ Individual (1) or
 - b) work in pairs (2) or
 - c) Group work of 3 - 4 persons
2. Students select **only one topic** to do their Project Work Assignment as follows:

Topic 1: Linear Regression in Finance or in business

Choose variables in business you want to study.

- (1) Collect your own data:
- (2) Show your work:
 - i. Scatter diagram
 - ii. find $\hat{y} = a + bx$
 - iii. given variable x and predict variable y
 - iv. Describe your findings.

Topic 2: Currency Correlation

Choose currency pairs you want to study:

1. Collect your own data for 2 weeks;
2. Draw a Scatter diagram;
3. Find Currency Correlations or Forex Correlations.
 - Show the currency pairs that represents strong correlation ($r \rightarrow +1$)
 - Show the currency pairs that represents strong correlation (r) and move nearly the opposite direction. ($r \rightarrow -1$)
 - Show the currency pairs that represents low or weak correlation ($r \rightarrow 0$)

Topic 3: Body Statistics Correlation Coefficient

1. Collect your own data, (using format in the table attached);
2. Select two variable pairs and draw a Scatter diagram;
3. Find Correlations coefficient:
 - Show the variable pairs that represents strong correlation ($r \rightarrow +1$).
 - Show the variable pairs that represents strong correlation (r) and opposite direction. ($r \rightarrow -1$)
 - Show the variable pairs that represents low or weak correlation ($r \rightarrow 0$)

Body Statistics: Data Collection

No	Name	Foot Length (cm)	Height (cm)	Waist (cm)	Round Neck (cm)	Arm Span (cm)	Weight (kg)
1							
2							
3							
4							
5							
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