Activity 3 – Creating a Basis for Visualization

Please print this paper and keep it for reference purposes. It will be signed by the professor in charge to mark its completion and record.

Group Name: _____ Date: _____

Group Members:

For each group, choose two data sets from the following:

a. Index of Industrial Production
Link:
https://drive.google.com/open?id=1JHzsJGXkz05LJstUvt6V7ZYRI20sUyQ2

b. Agricultural Production
Link:
https://drive.google.com/open?id=1FN6Wja6ROk_m4BcV-wbwyg7Z8z9BU9vS

c. Internet usage
Link:
https://drive.google.com/open?id=1FCcoy1lKMvfdZp1uysUn6_SXbZlq8czc

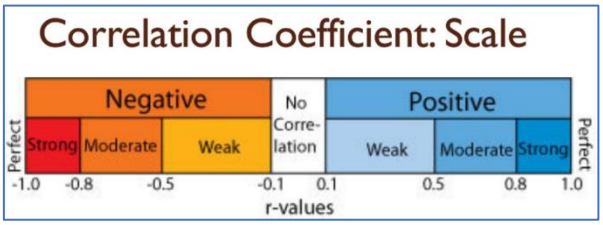
d. Tourist Visitors
Link:
https://drive.google.com/open?id=1i59zBtNkkg2M4qOBQP-0rQWE4ZcCmU2X

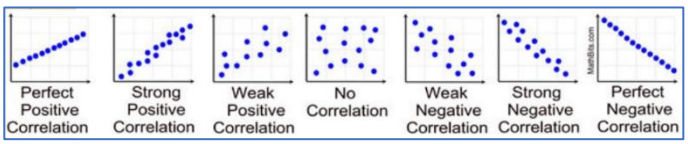
Data Set	Series

1. Find out the correlation of each data set chosen. For data sets with multiple series, choose only one to correlate with the other.
2. Display the scatterplot of the data pairs.
3. Then answer the following:

Regression Model	Equation	R-Value	Correlation Scale
Linear			
Exponential			
Simple Power/ Logarithmic			
Hyperbolic			

Please note of the following in scaling the correlation





For each of the Regression Models, plot the scatterplot together with the curves it pertains. Label them properly.

Linear		**Exponential**	
Equation		**Equation**	
R Value		**R Value**	

Simple Power/ Logarithmic		**Hyperbolic**	
Equation		**Equation**	
R Value		**R Value**	

Which regression model best describes the data pairs that was chosen? Describe the model.

Instructors signature: _____

By signing this, the members are marked as COMPLETE in this activity.
Please record promptly for future reference.