

Transforming Education Transforming India

MGN909-DATA ANALYSIS USING SPSS



Submitted To:

Mandeep Bhardwaj

CA-4

Submitted By:

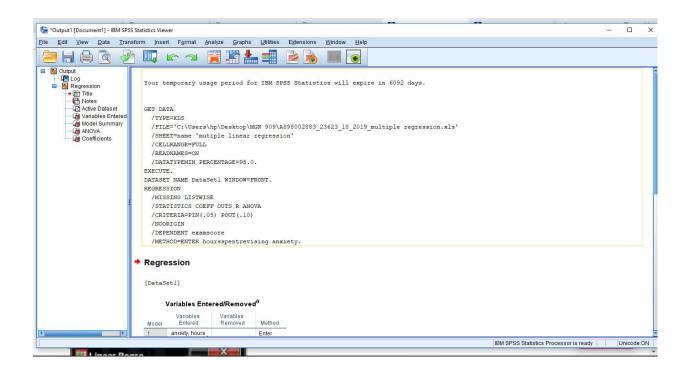
G Ravi Kanth

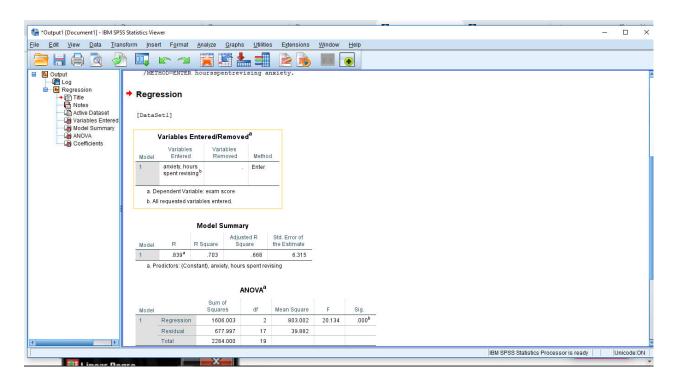
11616140

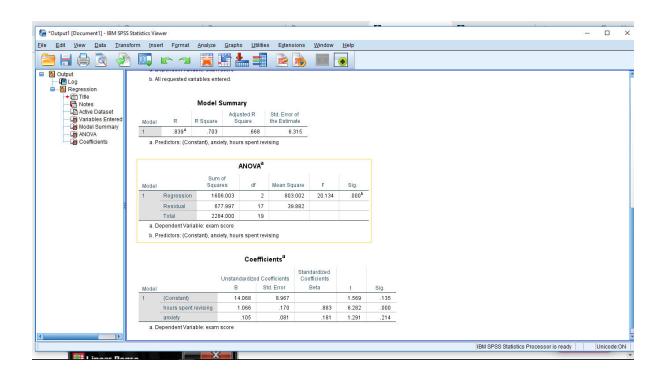
KOE12-A10

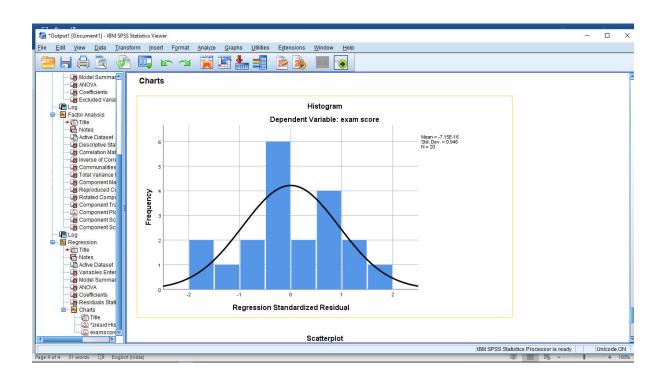
1) Using First sheet do multiple linear regression and interpret the result of the problem.

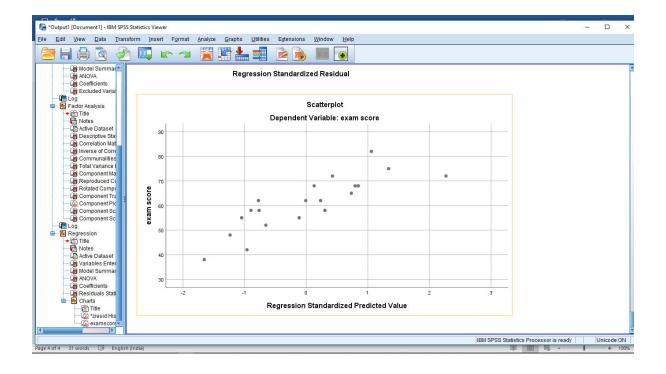
Ans:)







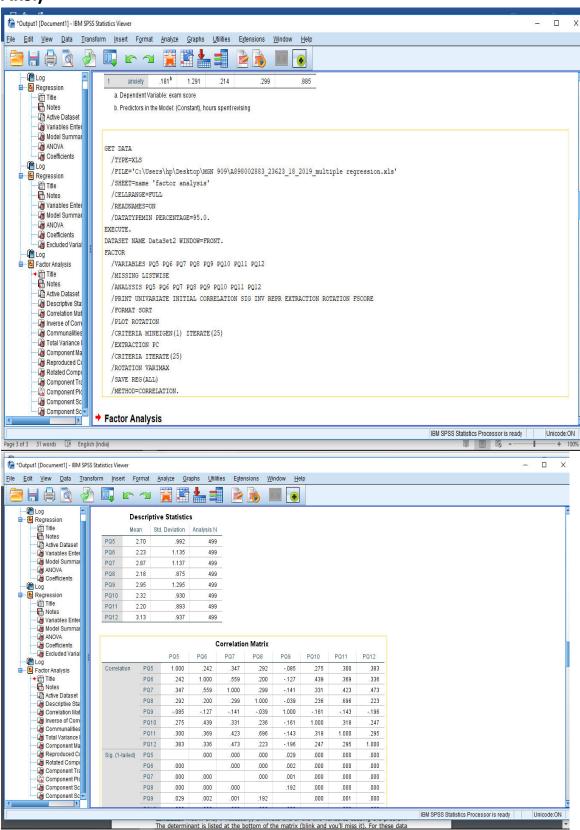


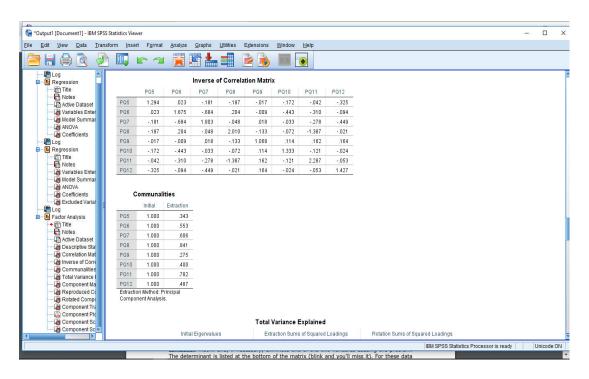


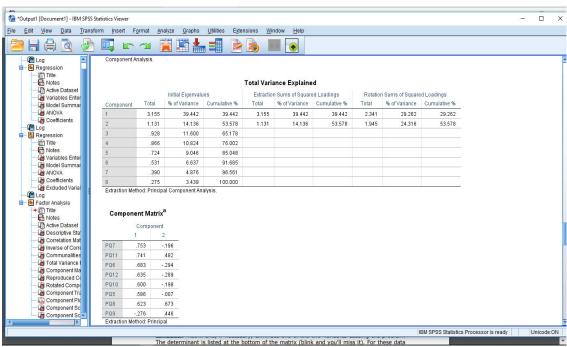
- The scatterplot shows that there is relatation ship between the exam score and standardized predicted value.
- The R Square value is equal to 0.703 it means we can use it for further use but its 70% correctly.
- The coefficient for hours spent revising is 1.066 and anxiety is 0.105
- It shows that anxiety will not effect the score mostly.

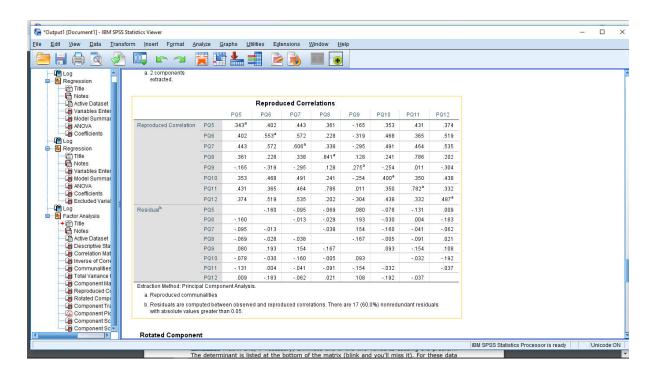
Using Factor Analysis, make appropriate factors and do the regression analysis.

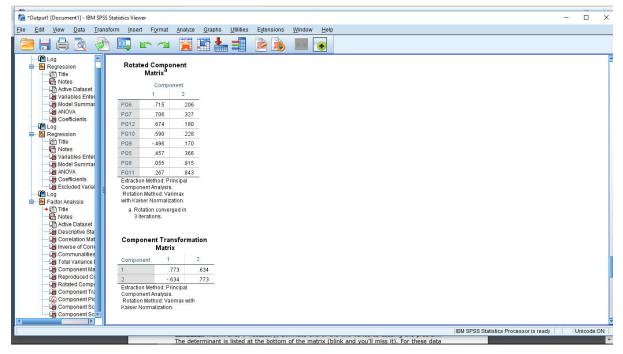
Ans:)

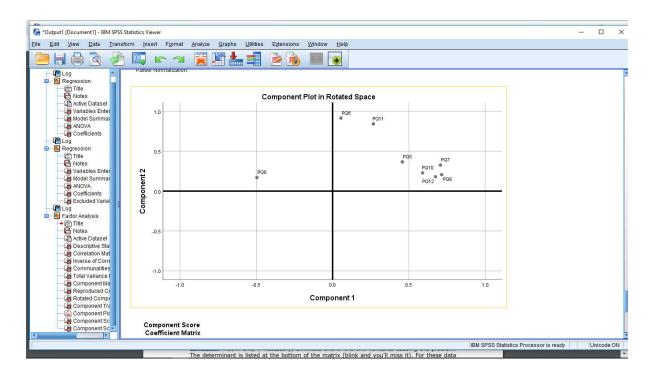


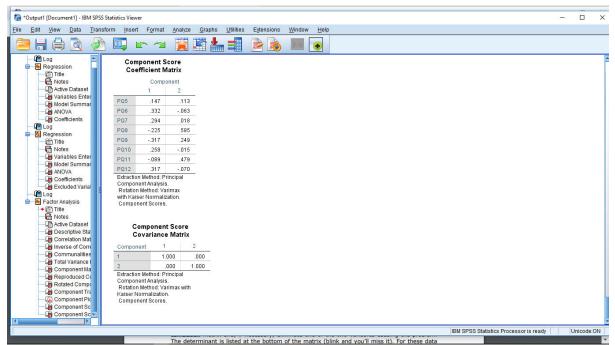








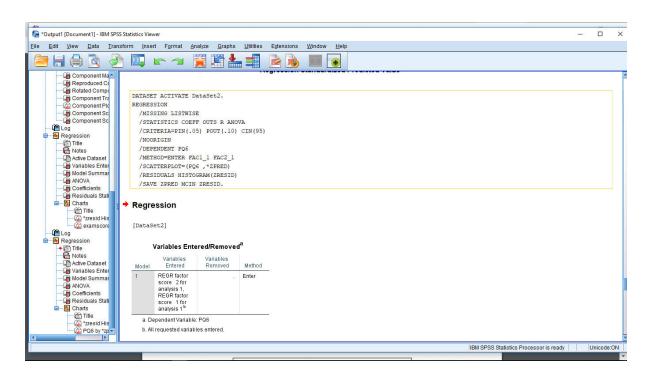


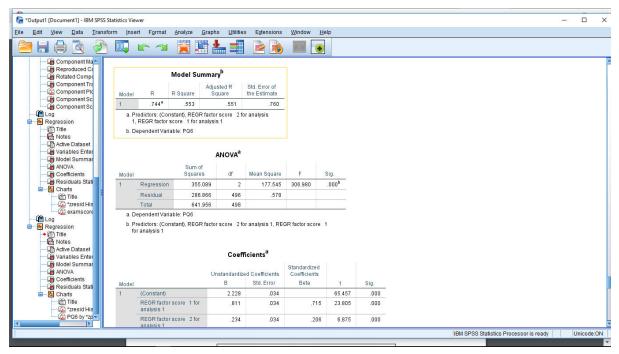


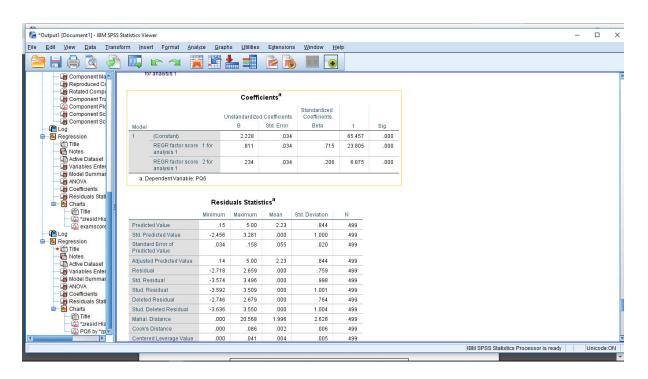
The R Matrix table shows that the top half of the table conatins the pearson correlation coefficient and the bottom half of the table contains the one tailed significance.

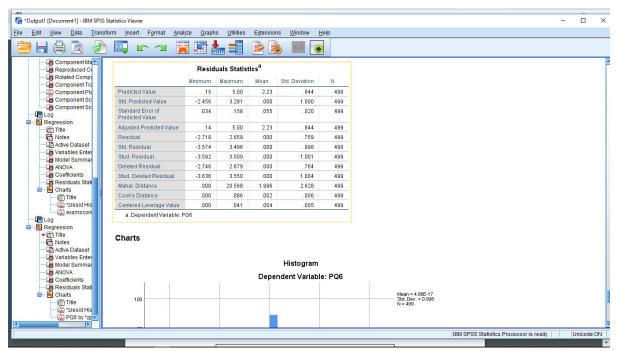
The compenent matrix contains the loadings of the each variable onto each factor.

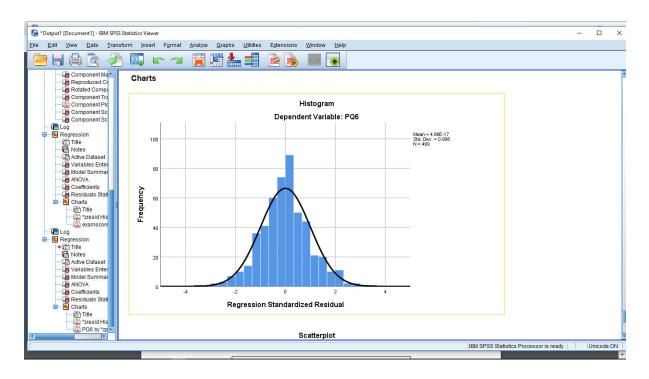
REGRESION ANALYSIS AFTER FACTOR ANALYSIS

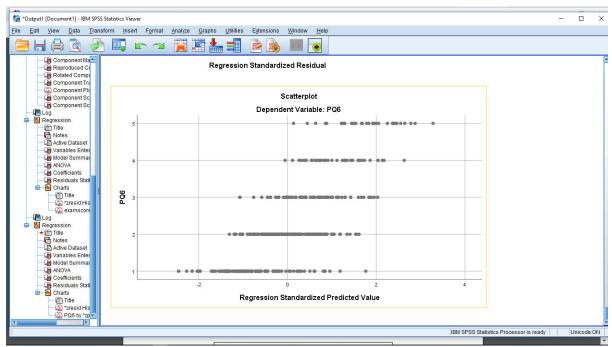












The scatterplot shows that there is relatation ship between the PQ6 and standardized predicted value and it is constant.

The R Square value is equal to 0.553 it means we can use it for further use but its only 55% correctly give solution.

The coefficent for factor score 1 is 0.811 and factore score 2 is 0.234.