SRM Institute of Science and Technology College of Engineering and Technology Kattankulathur-603 203

Department of Mathematics

21MAB301T-Probability and Statistics

Sl.No.	Tutorial Sheet - 1	Answer
1	Calculate the coefficient of correlation between x and y from the	
	following table:	0.97
	x 1 3 5 8 9 10	0.97
	y 3 4 8 10 12 11	
2	Find coefficient of correlation if $Cov(x, y) = -16.5$, $Var(x) = 2.89$	-0.97S
	and $Var(y) = 100$	0.575
3	A panel of judges A and B graded seven debaters and independently awarded the following marks: Debator	0.7
4	Calculate Spearman's coefficient of rank correlation for the following data: X 53 98 95 81 75 61 59 55 Y 47 25 32 37 30 40 39 45	-0.905
5	: Calculate coefficient of rank correlation for the following data: X 48 33 40 9 16 16 65 24 16 57 Y 13 13 24 6 15 4 20 9 6 19	0.733