

St. Mira's College for Girls, Pune
(Autonomous-Affiliated to Savitribai Phule Pune University)

B.Com.

Subject: BUSINESS MATHEMATICS AND STATISTICS AC21501

Semester: II

Year: 2019-2020

Unit 2: Correlation and Regression_Skill Development (Aptitude and problem solving)

MATHS ASSIGNMENT

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 Class: FYBA
 Division: A
 Rollno: 2301
 Year: 2019-2020 (Semester II)

SUBMITTED TO: Ms. DEEPA
 KRISHNAMURTHY

Topic: Correlation and Regression

Moving Averages Method

The production of aluminium and brass (in thousand metric tonnes) in India is as given:
 Obtain the trend values using 5 yearly moving averages for the data and plot them on graph.

Year	Production (y _t)	5 yearly moving total	(Trend value) 5 yearly moving average
2000	620	-	-
2001	713	-	-
2002	833	3811	762.2
2003	835	3936	787.2
2004	810	3949	789.8
2005	745	3922	784.4
2006	726	3948	789.6
2007	806	-	-
2008	861	-	-

Working notes:

2002 = $\frac{620 + 713 + 833 + 835 + 810}{5} = \frac{3811}{5} = 762.2$

2003 = $\frac{713 + 833 + 836 + 810 + 745}{5} = \frac{3936}{5} = 787.2$



Subject Teacher
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