

**Answer on Question #46490 – Math – Statistics and Probability**

Apply the simple exponential smoothing procedure to forecast the following data.

Take  $W = 0.1$

Year	2001	2002	2003	2004	2005
No. of Schools	5	3	4	6	5

**Solution**

Year	No. of Schools	Exponential forecasts ( $W=0.1$ )
2001	5	-
2002	3	5
2003	4	$5 + 0.1 \cdot (3 - 5) = 4.8$
2004	6	$4.8 + 0.1 \cdot (4 - 4.8) = 4.72$
2005	5	$4.72 + 0.1 \cdot (6 - 4.72) = 4.848$