

Weighted Moving and Exponential Smooth Forecasts

Calculate the forecasts based on the following data table

Alpha = .35

Month	Actual	WMA ₃	Exp Smooth
Jan	47		48
Feb	48		
Mar	52		
Apr	51		
May	54		
Jun	58		
July			

1. Calculate the 3-month Weighted Moving Average forecast for April through July using weights of $\hat{\omega}_1 = .5$, $\hat{\omega}_2 = .3$, $\hat{\omega}_3 = .2$
2. Calculate the Exponential Smooth Forecast for February through July with $\hat{\alpha} = .35$. The forecast for January is given to allow you to get started.