

EMS DEMAND FORECASTING ASSIGNMENT

Using the data below and the seasonality spreadsheet, develop a forecast for January – December for year 6. You should begin by entering the data below into the DATA ENTRY SHEET. Then go to the REGRESSION SHEET and perform the regression. You will need to enter a value for the exponent of the dummy variable (blue box), run the regression, then evaluate the accuracy of the regression, both visually and statistically. Repeat this process until you have a forecast that you are satisfied with in terms of statistical and graphical accuracy. Then email me your spreadsheet by the due date.

Month	Year 1	Year 2	Year 3	Year 4	Year 5
Jan	303	414	537	619	664
Feb	344	482	537	633	674
Mar	496	730	867	949	1055
Apr	551	758	936	826	1096
May	551	799	1074	1115	1178
Jun	578	826	1088	1006	1103
Jul	564	785	936	964	937
Aug	564	854	978	978	836
Sep	523	771	895	854	932
Oct	564	758	978	949	1000
Nov	510	744	826	647	836
Dec	441	592	647	592	822