

46-893: Operations and Supply Chain Analytics

(Individual) Assignment #3

Due by 5:00pm Eastern Time, April 16 (Tuesday)

Instructions:

Submit both a write up and your excel files electronically on Canvas. Each question should at least be on a different worksheet or a different workbook. Be sure to include your name in the document. You may use Microsoft Excel to perform any analyses.

1. (25 points) Consider monthly demand for the ABC Corporation, as shown in Table A3.1. Forecast the monthly demand for Year 6 using the static method for forecasting.
2. (25 points) Quarterly demand for flowers at a wholesaler are as shown in Table A3.2. Forecast quarterly demand for year 5 using simple exponential smoothing with $\alpha=0.1$ as well as Holt's model with $\alpha=0.1$ and $\beta=0.1$. Which of the two methods do you prefer? Why?