**In preparation for the next live session. Be sure and submit your work to the "Unit 7: "For Live Session" Assignment" assignment on 2DS:**

Please make at least one slide for each question to present in live session and to submit via the online campus.

1. Which model do you think is appropriate to use to forecast your time series? Why? Add this to the Google Doc as well as to your PowerPoint deck.
2. Find the first 5 psi weights for the model below, and use them to find the half-width of the 95 percentile probability interval for the third forecast (Xhat(3)).  Please show your work as well as a plot of the series and the first eight forecasts with probability intervals.  
     
   (1–.9B)(1–.8B)Xt = at  
     
   X1 = 5 X2 = 8 X3 = 9 X4 = 8 X5 = 7 X6 = 6 X7 = 4 X8 = 3
3. Using the three models below and the Amtrak ridership data, which model has the smallest ASE in forecasting the next year (12 months)?  Show your code in forecasting the 12 observations as well as in calculating the ASE.

Don't forget to make your last slide(s) your Key Takeaways and any questions you may have!