**In preparation for the next live session, complete the following.** **Be sure and submit your work to the "Unit 9: "For Live Session" Assignment" assignment on 2DS:**

Please address each activity on at least one PowerPoint slide and submit via the online campus.

Using the Texas gas price data (TexasGas.csv), we found that an AR(2) was the model suggested by both the AIC and BIC. We would now like to compare the fit from using the maximum likelihood and Burg estimates.

**Provide as much detail as you need to adequately describe the question of interest. For example**

* Provide detail and context, in addition to a number, for questions asking for an estimate.
* You may/should provide code (because your audience is your peers).
* You should provide adequate labels.
* Any other pertinent details to sufficiently convey your response.

**Using at least one slide per question**

1. Fit an AR(2) to the data using the maximum likelihood estimates like you did in the Concept Check question.
2. Fit and AR(2) to the data using the Burg estimates.  Display and describe.
3. Find the ASE for the maximum likelihood fit by forecasting the last 24 weeks of the series.
4. Find the ASE for the Burg fit by forecasting the last 24 weeks of the series.
5. Which model would you choose?

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