|  |  |
| --- | --- |
| **Memorandum** | E:\Users\bergg\Documents\My Templates\Word\Accountancy\Accountancy\Accountancy_color_h.png |

To: 4320 Students

From: Gary G. Berg

Date: April 3, 2024

Re: Assignment 15 –Estimating Cost behavior using Regression Analysis

* This assignment is a modification of lab 8-3 (page 498)
* Required:
  + Download the Excel file for this assignment.
  + Create a scatter plot graph of production and production costs
    - Plot should show trend line
    - Plot should show Equation with R2
    - Label the plot axis
  + Create the regression models required in step two and step three
  + For regression model in step three, calculate estimate production costs assuming upcoming production in 2026 of
    - 115,000 board feet on 01-14-2026
    - 85,000 board feet on 07-14-2026.

1. Submit the completed Excel solution file via the D2L dropbox. (**You are not submitting screenshots**)
   1. Files submitted to the wrong dropbox will receive a **grade of 0**
   2. Failure to follow directions will result in a grade of ZERO
2. **Additional Note: Make sure you submit the Excel file and not the temp file that is created when you are in Excel.** 
   1. **The temp file is erased when you exit an Excel, but there may be a delay before that happens.**
   2. **The Temp file size is only 1 KB**
   3. **It is your responsibility to make sure that you upload the correct file. Failure to do so will result in a grade of zero**
3. This is **not a** group assignment. Students should work independently.
   1. **Copying/plagiarism** will result in a **grade of 0** for all parties involved.
4. **Due on 04-07-2024, 11:30 p.m.**
5. **Remember, file must be virus free**. (**Any assignment received containing a Virus receives a grade of 0)**