The plane in the linear fit, and nonlinear have the following classifications where each index represents a row.

**Linear: Non-Linear:**  
[1,0,1,0,0,0,0,0,0,1] [1,1,1,0,1,0,1,0,0,0]  
  
Calculation the error for the linear and non-linear fits to find out which one is more accurate. We find that the non-linear error is two magnitudes smaller. So, I would argue that that the non-linear provides better results thus far, but we will investigate further.  
  
**Linear Error:** 1.3362 **Non-Linear:** 0.0161