If you're looking for a challenge ask yourself the following questions and then get started:

1. What exactly does each column of the data represent?
2. Think about your hypothesis... how do you expect the data to look when graphed
   1. Check the graph on coglab--does that look like what you expected?
3. What would the data look like if your hypothesis was supported?
4. What columns do you need to see if your answer to #3 actually happened?
5. What analysis should you use to see if your data lines up with your answer to #3?

I've got some more help below:

The data is broken into three columns! Each column represents what percent of words you recognized (0-100%).

* Column 1 is for words that were in the original list. You saw them and when shown again, you said you recognized them.
* Column 2 is words that were not in the original list and DID NOT fit the theme!
* Column 3 is words that were not on the original list but DID fit the theme--making you more susceptible to making a mistake and saying, "that had to have been there," or, more importantly, "that was there."

So the question you have to ask yourself is: "if I hypothesized that people would fall for the on-theme lure, what do I expect the data to look like?" Go to coglab and look at the graph of the results. Does this line up with what you'd expect? Take some time and think about it or just keep on reading.

 Ok welcome back! Naturally if we expect the false memory lures to work, we should see the related-lure percentage being way higher than the unrelated lure, right? If our hypothesis was stronger and we said that the lures would completely bamboozle people, we might look to see for a *lack*of significant difference between column 1 and 3--basically saying that our procedure would really successfully and reliably create "false memory."

So it looks like we really only need to compare 2 columns. Which 2 is up to you depending on your hypothesis. If you're only comparing 2 groups you should use a t-test. The question is: which kind of t-test?