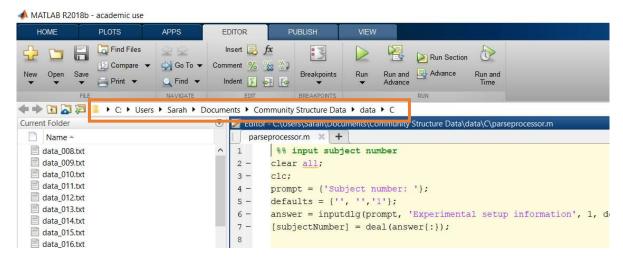
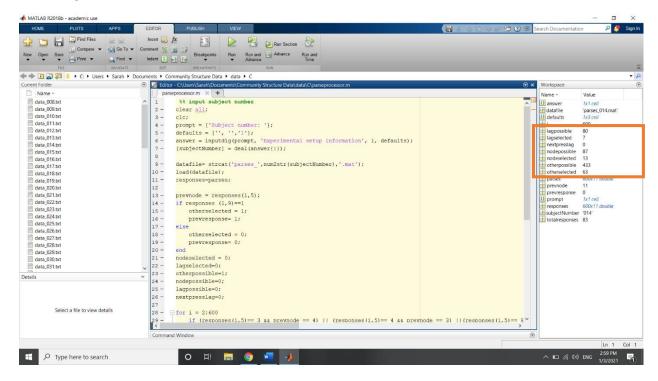
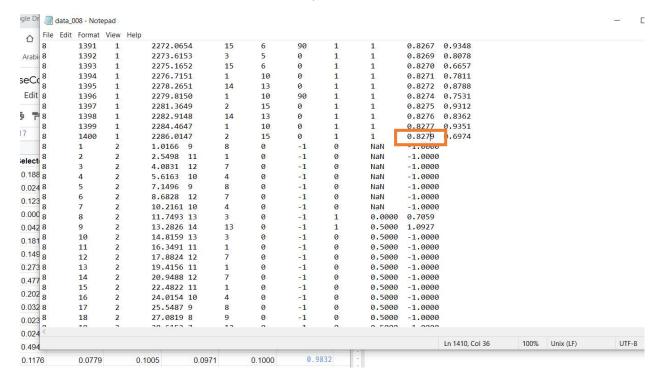
- 1. Copy the files: parseprocessor.m and explicitanswers.m into whatever folder your data is in.
- 2. Make sure your data in that folder is named as "parses_###.mat" where ## is the subject number and that there is a data ###.txt file as well.
- 3. Open up Matlab.
- 4. Make sure the folder with your data and code is the current folder.



- 5. Hit the run button
- 6. In the box that pops up when you hit run, type in the subject number as it shows up in the data file name (example: 001)
- 7. When the code finishes running, the data you need will appear in the workspace box on the right



- 8. You will then enter this data into the google sheet called ParseControlAnalysis (found in the data folder)
 - a. Go to the tab that corresponds to the group the subject is in (C, E, or R)
 - b. Put in the subject number in a new row (above the average line) and then use the information from the Matlab workspace to type columns B through G
 - c. Copy the formulas from another row (you can do this by selecting the cells and dragging down to autofill) for columns H through R
 - i. H represents the % of the nodes that the subject pressed space for
 - ii. I represents the % of the lag (one after the node) that the subject pressed space for
 - iii. J represents the % of other images that the subject pressed space for
 - iv. K combines the % of lag and other images
 - v. L shows the % of total nodes that the subject picked
 - vi. N shows the portion of total selections that were nodes
 - vii. Q shows what the portion of node selections would be if it were up to chance
 - viii. R shows the absolute difference in percent for H and K. This is the main number we use in comparing the different groups (the higher the percent, the higher the preference for the node shapes)
 - d. Fill in the accuracy for the rotation task in column S
 - i. You can find this by going to the data_subjectnumber.txt file for each subject.
 - ii. Scroll down to the part of the data file where line 1400 is (the last line for the first task. The accuracy will be in the second to last column in that row.



- 9. Go to the subject info tab in the spreadsheet. Here you will enter the relevant information they wrote down in their paperwork.
 - a. For column O, this is where you will put in their score for the explicit test (the sheet where they circle the nodes they think are most likely to come next).
 - i. The answer key is different for each subject based on the random order of the shapes they were assigned.
 - ii. Open the explicitanswers.m file in Matlab (make sure it is in the same folder as your data files!)
 - iii. Hit run and enter the subject number as listed in your data file when the box pops up.
 - iv. This will print out the answer key in the command window. (There are four correct answers for each question. The score is the total of all the correct answers they got on all the questions combined).

