

## Exercise: Table Analysis

Please open the file “MentalRotationData.xlsx” and use it to answer the following questions about the results of the Mental Rotation psychology experiment.

- 1) How Many Total Trials (rows) are in the study?
- 2) What is the maximum number of trials that one subject performed?
- 3) Convert the Time trial to seconds, by multiplying by 1000.
- 4) What is the mean response time, across all trials?
- 5) What percent of trials were answered correctly?
- 6) What percent of trials were “Matching” trials?
- 7) Is there a correlation between Angle of mental rotation and response time?
- 8) Is there a difference in accuracy between matching and non-matching trials?
- 9) Is there a response time difference between matching and nonmatching trials?
- 10) Is there a response time difference between matching and nonmatching trials, for different rotation Angles?
- 11) Plot the response time distribution as a histogram.