PPR Analyzer Documentation

# Setting up your Spreadsheet for analysis

* For PPR cycles with the following **intervals (in order)**: 50, 500, 100, 80, 30, 200
* You MUST have your .xls spreadsheet set up like the **template, test.xls**
* Your file must be in **.xls format**, not .xlsx
* Row 1 must be **header data** (Mouse ID, Slice ID, Treatment Group, Filename, 50 ms, 500 ms, 100 ms, 80 ms, 30 ms, 200 ms)
* Row 2 must be data for 50 ms ISI
* Row 3 must be for 500ms ISI
* Row 4 must be for 100ms ISI
* Row 5 must be for 80ms ISI
* Row 6 must be for 30ms ISI
* Row 7 must be for 2000ms ISI
* Repeat for rows 8-61
* Each experiment should take up **11 columns**, so each subsequent experiment should start at column (n + 11) where n is experiment number

# Program Functionality

* Only the first 60 rows of data are analyzed
* Data is extracted from the spreadsheet and into memory. Original data is not modified.
* PPR is calculated for each row and sorted according to ISI
* The individual PPR calculations for each experiment are saved in a new tab in the original file
  + The tab name is taken from the text box next to the “Choose File” button
* Basic stats (Mean, Standard Error, Standard Deviation, and N) are saved in a separate tab
* Once the program is done running, it will automatically open the file so you can see the new tabs