

Instructions:

Import MP-1 or other visual field data to excel file in the following format:

Rows 1-68 are visual field locations and row 69 is the age of each patient

Each column represents the sensitivity values for each patient (ie for n=50, columns A to AX)

Then, paste rows to ophthalmologyData.m in the format:

```
Y = [rows 1-68] ';
```

```
X = [row 69 (age values)]';
```

To run the analysis:

Navigate to correct file path in Matlab

Type "analysis" to command window

Let the program run for 68 series

The output files may be opened in excel and contain the datasets which give the mean regression values and the respective confidence levels. Each data set is 91 columns corresponding to the ages (10-100). For the confidence intervals, the first row represents the lower bound for visual field location 1, the second row represents the upper bound for location 1, the third row represents the lower bound for location 2, etc.