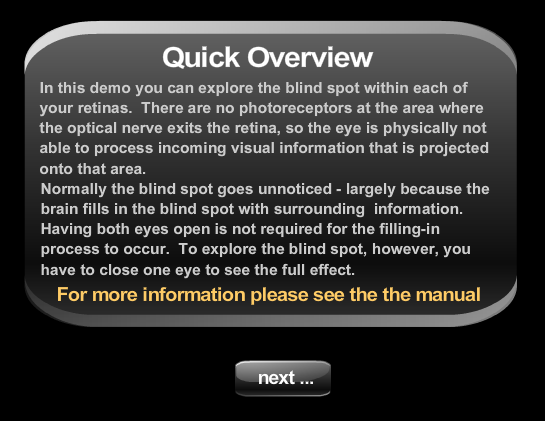
In this experiment, you’ll try to answer the question “Is the blind spot variable in humans?” by indirectly measuring the blind spot of at least three people. (One can be you.)

Materials:

* Go Cognitive blind spot test [website](http://www.gocognitive.net/sites/default/files/blindspot.v0.93_1_0.swf)
* Ruler

Procedure:

1. Enter the Go Cognitive site and click “next…”



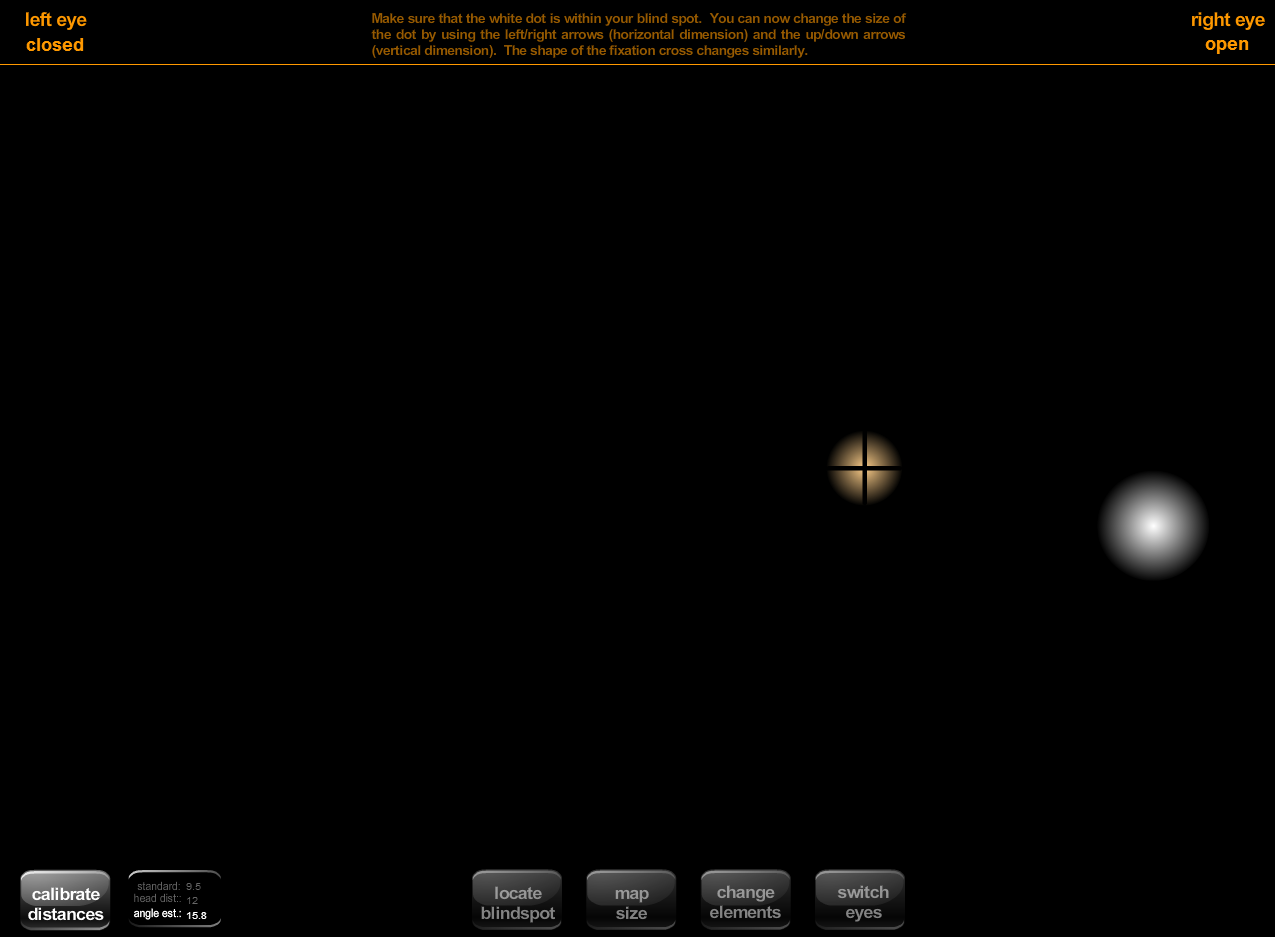
1. First, select “locate blindspot” at the bottom of the page. Then, test the controls by pressing the left and right arrow keys on the keyboard. This will move the cross in the middle of the screen left and right.

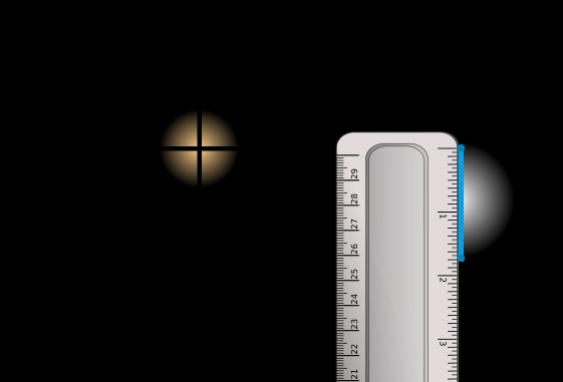


1. To locate the blindspot in your right eye, first close your left eye. Then, position yourself approximately one foot (12 inches) away from the screen. Next, center your right eye with the cross in the middle of the screen. Adjust the position of cross using the left and right arrows. Stop when the white dot disappears.
2. Next, select “map size” at the bottom of the screen. Then, test the controls by pressing the up, down, right, and left keys on the keyboard:
   * Up Increases the height of the dot
   * Down Decreases the height of the dot
   * Right Increases the width of the dot
   * Left Decreases the width of the dot



1. Reposition your head approximately one foot away from the cross so the white dot disappears again. Increase the height of the dot and stop once you can start to see it. Then, slowly reduce the height of the dot. Immediately stop once it disappears again. Repeat these steps with the width of the dot. Once finished, the white dot will represent the area of your blindspot. Take a [screenshot](http://www.take-a-screenshot.org/) of the results and save the image.



1. Using a ruler, take two measurements. First, measure the height of the circle (as pictured below). Then, measure the width of the circle. Record your results in sixteenths of an inch or in millimeters.
2. Perform this experiment on at least three people, one of which can be you. Remember to take a [screenshot](http://www.take-a-screenshot.org/) of all results.
3. Record your measurements in the chart below. For each participant, calculate the average value of their two measurements using the formula…

**(Measurement 1 + Measurement 2) / 2 = Average**

The resulting value represents the average diameter of participant’s blindspot.

|  |  |  |  |
| --- | --- | --- | --- |
| Participant | Measurement 1 | Measurement 2 | Average |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |