

## **Experiment 2**

### Gathering Data And Measuring Ratios Found

#### Purpose:

To give some validity to the premise of a golden ratio in humans in reality

#### (Mini)-Hypothesis:

If the golden ratio exists as documented, it should not diverge too far what is reported.

#### Method:

As the algorithm runs, it can record a running average (or the data itself) and that can be compared to the ratio given by sources on the idea of a golden ratio. Also it should be performed on different subjects, as it will add diversity.

#### Prediction:

There will be a ratio either way; whether it lines up to Vitruvius or not. That ratio finding will build a mathematical model of what dimensions make up the user. If they are unique enough from the golden ratio and others, it could be used as an identifier for the particular user. If it does fall in line with the golden ratio, then it can show the validity to the golden ratio.