**Results:**

My experiment includes 10 participants that each undergo the reaction time program under 3 different environments (silent, listening to the radio and talking on a hands free phone call) the reaction time is measured at 5 different points during the experiment. The reaction time is measured by how long the participant takes to visually take in a change of the colour on the screen and click a button on the mouse. The results are shown below:



**Reaction Time (ms)**



**Participant No.**



**Reaction Time (ms)**



**Participant No.**



**Reaction Time (ms)**



**Participant No.**

**Anomolies:**

To work out if any of my results are anomalous I am using +/- 2 standard deviations as this is a recognised mathematical method to identifying anomalies accurately. None of my results were deemed anomalous via standard deviation.

**Statistical Test:**