Brian Petersen

P.5 Biology

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Condition of Dropping** | **Distance for Reaction** D / cm ∆D = ± 1.0 cm | | | **Average Distance for Reaction** ∆D = ± 6.5 cm | | | **Reaction Time** (Calculated from Avg.) T / s ∆T = ± 2.0 % | | |
| Normal | Josh | Brian | Chandler | Josh | Brian | Chandler | Josh | Brian | Chandler |
| 19.0 | 20.0 | 10.0 | 18.4 | 17.0 | 11.0 | 0.193 | 0.186 | 0.150 |
| 21.0 | 22.0 | 12.0 |
| 17.0 | 13.0 | 10.0 |
| 18.0 | 17.0 | 13.0 |
| 17.0 | 13.0 | 10.0 |
| Right Eye  Closed | 14.0 | 9.0 | 10.0 | 13.0 | 13.6 | 12.4 | 0.162 | 0.167 | 0.160 |
| 13.0 | 8.0 | 15.0 |
| 10.0 | 21.0 | 10.0 |
| 12.0 | 18.0 | 12.0 |
| 16.0 | 12.0 | 15.0 |
| Eyes Closed (Dependent upon touch and que) | 9.0 | 17.0 | 9.0 | 15.8 | 13.0 | 6.8 | 0.179 | 0.162 | 0.118 |
| 25.0 | 11.0 | 5.0 |
| 14.0 | 9.0 | 11.0 |
| 15.0 | 14.0 | 4.0 |
| 16.0 | 14.0 | 5.0 |

With this experiment, we tried different scenarios that might affect the reaction time of a person. We found that by eliminating as much visual stimuli as possible, you are able to increase your reaction time. There are many reasons of why this could possibly be why, but that is just what I had observed while processing and analyzing the data.