To assign the scores, I conducted a mini experiment with my friends to get my scoring system. I added and divided the time it took them to call out the words from the congruent list to get the median reaction time. After getting the median time I subtracted five seconds to get my fast and very fast and I added five seconds to get my slow and very slow.

For my sampling I used convenience and simple random sampling.to assign my participants to groups, I used a ballot picking method. After they had gotten their numbers, I assigned the even numbers to the control group and the odd numbers to the experimental group.

**Scoring system**

1 (very fast) – 10-5 seconds and above

2 (fast) – 10 -15 seconds

3 (medium) – 15-20 seconds

4 (slow) – 20-25 seconds

5 (very slow) – 25- 30 seconds and above

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Control**  **group** | **Congruent**  **list** | **scores** | **Experimental**  **group** | **Incongruent**  **list** | **scores** |
|  | Female | 21.15 seconds | 4 | Female | 26.01 seconds | 5 |
|  | Female | 12.58 seconds | 2 | Female | 22.80 seconds | 4 |
|  | Female | 20.81 seconds | 4 | Female | 27.60 seconds | 5 |
|  | Female | 12.98 seconds | 2 | Female | 26.07 seconds | 5 |
|  | Female | 9.80 seconds | 1 | Female | 34.75 seconds | 5 |
|  | Female | 13.05 seconds | 2 | Female | 18.50 seconds | 3 |
|  | Male | 10.39 seconds | 1 | Male | 33.18 seconds | 5 |
|  | Male | 11.33 seconds | 2 | Male | 20.72 seconds | 4 |
|  | Male | 8.50 seconds | 1 | Male | 25.46 seconds | 4 |
|  | Male | 10.94 seconds | 1 | Male | 13.35 seconds | 2 |
|  | Male | 9.90 seconds | 1 | Male | 15.25 seconds | 3 |
|  | Male | 16.49 seconds | 3 | Male | 21.43 seconds | 4 |