Appendix A

*Target and control words*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Stimulus | Word type | Familiarity (%) | Occurrences in text day 1 | Occurrences in text day 2 | Meaning generation (%) |
| bout | target | 10.0 | 0 | 24 | 22.5 |
| diddling | target | 25.0 | 4 | 34 | 92.5 |
| goad | target | 5.0 | 46 | 18 | 27.5 |
| honbasho | target | 5.0 | 0 | 13 | 37.5 |
| miscreant | target | 32.5 | 6 | 2 | 62.5 |
| mulct | target | 2.5 | 12 | 0 | 2.5 |
| pundit | target | 17.5 | 14 | 0 | 0.0 |
| realtor | target | 52.5 | 9 | 0 | 50.0 |
| rigging | target | 32.5 | 0 | 10 | 25.0 |
| rikishi | target | 2.5 | 0 | 53 | 67.5 |
| romp | target | 37.5 | 0 | 13 | 5.0 |
| rusk | target | 5.0 | 2 | 25 | 52.5 |
| stumper | target | 27.5 | 18 | 0 | 2.5 |
| succor | target | 12.5 | 8 | 2 | 20.0 |
| abortion | control | 100 | 9 | 0 | 100 |
| answer | control | 100 | 6 | 30 | 100 |
| cheat | control | 100 | 6 | 27 | 100 |
| data | control | 100 | 10 | 23 | 100 |
| measure | control | 100 | 10 | 6 | 97.5 |
| money | control | 100 | 25 | 10 | 100 |
| rate | control | 97.5 | 8 | 11 | 95.0 |
| score | control | 100 | 1 | 18 | 97.5 |
| teacher | control | 97.5 | 3 | 48 | 100 |

Appendix B

*Semantically-neutral sentence with the target words*

|  |
| --- |
|  He agreed that the goads were pretty powerful. |
|  The news about the honbasho was generating a lot of interest. |
|  She saw the picture of the miscreant in the local paper. |
|  I don't think this mulct is appropriate. |
|  She walked past the rikishi looking straight ahead. |
|  He noticed some rusks on the ground. |
|  They were not sure why this stumper was neglected. |
|  We know a very nice succor center in town. |
|  There are not many bouts left after today. |
|  Everybody knows about diddling in this line of work. |
|  There are too many pundits these days. |
|  Nobody had seen the realtor for several weeks. |
|  He did not want to put up with the rigging this time. |
|  He knew the romp was slipping away from him. |

Appendix C

*Percentage of data loss*

Table C1

*Percentage of data loss due to word-skipping*

|  |  |  |
| --- | --- | --- |
| Main text |  | Post-test |
| Averaged across word type | 19.89% |  | Averaged across word type | 5.00% |
| For target words | 18.45% |  | For target words | 3.33% |
| For control words | 21.80% |  | For control words | 7.78% |

Table C2

*Percentage of data loss due to trimming*

|  |  |  |  |
| --- | --- | --- | --- |
| Reading measures on the main text |  | Reading measures at post-test |  |
| first fixation duration >0 & <100 | 2.05% | first fixation duration >0 & <100 | 1.35% |
| gaze duration >0 & <100 | 1.48% | gaze duration >0 & <100 | 1.04% |
| total reading time >0 & <100 | 0.70% | total reading time >0 & <100 | 0.52% |
| go-past time >0 & <100 | 0.68% | go-past time >0 & <100 | 0.52% |
| first fixation duration >1000 | 0.04% | first fixation duration >1000 | 0.10% |
| gaze duration >1000 | 0.45% | gaze duration >1000 | 1.97% |
| total reading time >1000 | 0.92% | total reading time >1000 | 6.14% |
| go-past time >1000 | 4.14% | go-past time >1000 | 2.70% |