# Appendix A: Stimuli for the lexical decision task

Test stimuli for lexical decision task, List 1

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **/tap-\*trill/** | **/trill-\*tap/** | **/tap-\*d/** | **/d-\*tap/** | **/trill-\*d/** | **/d-\*trill/** |
| **Word** | **Word** | **Word** | **Word** | **Word** | **Word** |
| dinero | correcto | general | miedo | ocurre | estado |
| sería | aburrido | corazón | adelante | corre | partido |
| primero | arroz | cultura | edificio | cierra | medio |
| durante | arriba | daría | comida | guerra | nadie |
| quiero | tierra | historia | sonido | corrige | todavía |
| **Nonword** | **Nonword** | **Nonword** | **Nonword** | **Nonword** | **Nonword** |
| señorra | eror | maneda | mericina | desadollo | esturrio |
| gustarría | horible | dedecha | abogaro | nadativa | larro |
| mirro | interumpe | clado | sábaro | codiente | pasarro |
| diferrente | aranca | fueda | mérico | adegla | demasiarro |
| parrece | párafo | númedo | vestiro | tedible | ayurra |

Control stimuli for lexical decision task, List 1

|  |  |
| --- | --- |
| **/f-\*p/** | **/p-\*f/** |
| **Word** | **Word** |
| difícil | grupo |
| jefe | guapo |
| oficina | deporte |
| uniforme | capital |
| teléfono | lápiz |
| **Nonword** | **Nonword** |
| epecto | pafel |
| gapas | refente |
| reporma | afenas |
| apuera | cafaz |
| signipica | zafato |

Test stimuli for lexical decision task, List 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **/tap-\*trill/** | **/trill-\*tap/** | **/tap-\*d/** | **/d-\*tap/** | **/trill-\*d/** | **/d-\*trill/** |
| **Word** | **Word** | **Word** | **Word** | **Word** | **Word** |
| señora | error | manera | medicina | desarrollo | estudio |
| gustaría | horrible | derecha | abogado | narrativa | lado  |
| miro | interrumpe | claro | sábado | corriente | pasado |
| diferente | arranca | fuera | médico | arregla | demasiado |
| parece | párrafo | número | vestido | terrible | ayuda |
| **Nonword** | **Nonword** | **Nonword** | **Nonword** | **Nonword** | **Nonword** |
| dinerro | corecto | genedal | miero | ocude | estarro |
| serría | aburido | codazón | arelante | code | partirro |
| primerro | aroz | cultuda | erificio | cieda | merrio |
| durrante | ariba | dadía | comira | gueda | narrie |
| quierro | tiera | histodia | soniro | codige | torravía |

Control stimuli for lexical decision task, List 2

|  |  |
| --- | --- |
| **/f-\*p/** | **/p-\*f/** |
| **Word** | **Word** |
| efecto | papel |
| gafas | repente |
| reforma | apenas |
| afuera | capaz |
| significa | zapato |
| **Nonword** | **Nonword** |
| dipícil | grufo |
| jepe | guafo |
| opicina | deforte |
| uniporme | cafital |
| telépono | láfiz |

Practice and filler stimuli for lexical decision task, both List 1 and List 2

|  |  |  |  |
| --- | --- | --- | --- |
| **Practice** | **Practice** | **Filler** | **Filler** |
| **Word** | **Nonwords** | **Word** | **Nonword** |
| cama | hermoto | cabeza | vuelo | noche | bigue | leto | niecha |
| lago | querto | rata | avión | para | blario | mabio | fendo |
| verde | jeso | actor | banco | pie | bundad | jestu | flío |
| madera | pieno | listo | todo | llama | cheijo | chempo | pengo |
| postre | bepa | mata | voy | antes | chelpo | mesque | ganafe |
|  |  | batalla | escuela | seis | diano | tefpo | gaque |
|  |  | plato | clase | come | faufe | nano | gaufo |
|  |  | gato | mañana | siente | fella | nante | guepo |

# Appendix B: Stimuli for the oddity task

Test and control stimuli for oddity task

|  |  |  |
| --- | --- | --- |
| Condition | Contrast | Stimuli |
| A | B |
| Orthography | IPA | Orthography | IPA |
| Test | /ɾ-r/ | quira | /ˈki.ɾa/  | quirra | /ˈki.ra/  |
| nera | /ˈne.ɾa/  | nerra | /ˈne.ra/  |
| cuare | /ˈku̯a.ɾe/  | cuarre | /ˈku̯a.re/  |
| Test | /ɾ-d/ | fare | /ˈfa.ɾe/  | fade | /ˈfa.de/  |
| mare | /ˈma.ɾe/  | made | /ˈma.de/  |
| liero | /ˈli̯e.ɾo/  | liedo | /ˈli̯e.do/  |
| Test | /r-d/ | cherra | /ˈtʃe.ra/  | cheda | /ˈtʃe.da/  |
| terro | /ˈte.ro/  | tedo | /ˈte.do/  |
| morre | /ˈmo.re/  | mode | /ˈmo.de/  |
| Control | /f-p/ | lefo | /ˈle.fo/  | lepo | /ˈle.po/  |
| mafe | /ˈma.fe/  | mape | /ˈma.pe/  |
| quefe | /ˈke.fe/  | quepe | /ˈke.pe/  |

Filler stimuli for oddity task

|  |  |  |
| --- | --- | --- |
| Condition | Contrast | Stimuli |
| A | B |
| Filler |  | Orthography | IPA | Orthography | IPA |
| /ʝ-l/ | nella | /ˈne.ʝa/ | nela | /ˈne.la/ |
| /s-l/ | lespo | /ˈles.po/ | lelpo | /ˈlel.po/ |
| /a-ai̯/ | came | /ˈka.me/ | caime | /ˈkai̯.me/ |
| /d-t/ | chade | /ˈtʃa.de/ | chate | /ˈtʃa.te/ |
| /a-e/ | nalco | /ˈnal.ko/ | nelco | /ˈnel.ko/ |
| fega | /ˈfe.ga/ | fegue | /ˈfe.ge/ |

# Appendix C: Stimuli for the phonological short-term memory task

Stimuli for practice trials in the phonological short-term memory task

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type of trial | Stimulus 1 | Stimulus 2 | Stimulus 3 | Stimulus 4 |
| same | meht | pyehk | syash | vohm |
| same | pyesh | vyat | dohs | mehr |
| different  | doht | **syehm** | **lyas** | poht |
| different  | sohr | **pish** | **vahm** | lohr |

*Note.* Stimuli were presented in the same order for both iterations in “same” trials. Stimuli that are bolded are those that were switched for the second iteration in “different” trials.

Stimuli for sequences of length 4 in the phonological short-term memory task

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type of trial | Stimulus 1 | Stimulus 2 | Stimulus 3 | Stimulus 4 |
| same | mar | pohl | siehr | lyat |
| same | lahl | mohm | dyak | lyehch |
| same | mohl | vyash | vis | sahl |
| same | vyehsh | dohr | lil | mam |
| different | dim | **pyal** | **syehk** | mahch |
| different | mis | **dahk** | **lyeht** | sir |
| different | dahs | **myal** | **tohm** | pahk |
| different | mich | **lyehk** | **pahsh** | vit |

*Note.* Stimuli were presented in the same order for both iterations in “same” trials. Stimuli that are bolded are those that were switched for the second iteration in “different” trials.

Stimuli for sequences of length 5 in the phonological short-term memory task

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Type of trial | Stimulus 1 | Stimulus 2 | Stimulus 3 | Stimulus 4 | Stimulus 5 |
| same | myach | pil | vohr | pahs | lyehsh |
| same | dyam | sohm | pir | pohs | mohsh |
| same | sahch | syak | lyam | vyehm | lohs |
| same | dohch | vohl | vyar | myas | sish |
| different | pohch | **syal** | **mik** | syehm | pyehr |
| different | vohch | vahl | **pyam** | **dir** | sohk |
| different | lich | **pim** | **lyehl** | vahr | pyesh |
| different | sohch | vyehk | **vahs** | **myehl** | dyash |

*Note.* Stimuli were presented in the same order for both iterations in “same” trials. Stimuli that are bolded are those that were switched for the second iteration in “different” trials.

Stimuli for sequences of length 6 in the phonological short-term memory task

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Type of trial | Stimulus 1 | Stimulus 2 | Stimulus 3 | Stimulus 4 | Stimulus 5 | Stimulus 6 |
| same | dyach | mahk | sim | lahr | syehs | myash |
| same | sich | lehk | lyal | pahm | sohs | pyash |
| same | syehch | dohk | sil | myehm | lyar | lahsh |
| same | lyach | pyak | dahl | lim | vyehr | syas |
| different | vehl | lahk | **lohm** | **pyach** | sis | dyehr |
| different | dil | **vohk** | **pyehm** | mohch | pahr | vyas |
| different | vyehch | mim | sik | **dyehl** | **mehsh** | lehs |
| different | vil | sahm | **pyar** | **myak** | dis | mehch |

*Note.* Stimuli were presented in the same order for both iterations in “same” trials. Stimuli that are bolded are those that were switched for the second iteration in “different” trials.

Stimuli for sequences of length 7 in the phonological short-term memory task

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Type of trial | Stimulus 1 | Stimulus 2 | Stimulus 3 | Stimulus 4 | Stimulus 5 | Stimulus 6 | Stimulus 7 |
| same | pohr | dyehch | vyam | lik | sahs | lyash | dohl |
| same | vyach | lehm | vir | syehl | pich | dyas | sahsh |
| same | lyehr | pyehch | mash | vik | mil | mam | lahs |
| same | vich | lohk | pyehl | lahm | dahr | vohs | dyehsh |
| different | pyehk | **lahch** | **sohl** | sahr | dohm | pis | vish |
| different | pyehs | dahch | pik | **vyal** | **syehsh** | lir | dyehm |
| different | vim | mohr | dyehs | myam | **vahk** | **dich** | lohl |
| different | lil | pohk | **dahm** | **mir** | pahch | sohsh | lis |

*Note.* Stimuli were presented in the same order for both iterations in “same” trials. Stimuli that are bolded are those that were switched for the second iteration in “different” trials.

# Appendix D: Stimuli for the retrieval-induced inhibition task

Table . Stimuli for the retrieval-induced inhibition task

|  |  |
| --- | --- |
| Words for Memorization, Practice, & Test Phases | Distractor Words for the Test Phase |
| ANIMALS - horse ANIMALS - elephantANIMALS - tigerANIMALS - duckANIMALS - cowANIMALS - snake | donkeygiraffedeerlionrabbitzebra |
| OCCUPATIONS - nurseOCCUPATIONS - teacherOCCUPATIONS - engineerOCCUPATIONS - dentistOCCUPATIONS - carpenterOCCUPATIONS - firefighter | mechanicpolicemansecretaryfarmercooklawyer |
| FRUITS - grapeFRUITS - appleFRUITS - orangeFRUITS - pearFRUITS - cherryFRUITS - raspberry | blueberrycoconutplummangopapayafig |