This archive contains files containing data and analysis from the below

**Project:** Conversational alignment in children with an Autistic Spectrum Condition and typically developing children

**Project strand:***Adult studies 1 & 2 (extension to grant)* –

1). Investigating the stability of lexical entrainment in adulthood (plan for this work to form experiment 2 in a 3-experiment paper which includes a pilot study).

2). Investigating the maintenance of lexically entrained terms across adulthood (plan for this work to form experiment 3 of the aforementioned paper).

The following files have been archived:

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| **Folder name** | **File name(s)** | **Description** |
| Pilot\_Study | PilotStudy\_Analysis.R | R analysis script for study 1 (use PilotStudy\_Data.csv file below). |
| Pilot\_Study | PilotStudy\_Data.csv | Comma-separated values file containing the combined data for use in the analysis of the pilot study. The file contains responses to the picture-naming task used in this task. Participants were assigned an ID.  This dataset contains data from adult participants collected via the online platform Prolific and can be analysed using the R script above (PilotStudy\_Analysis.R)  A JPsych script for the task used to collect these data can be found here: <https://github.com/anitatobar/IDs/blob/master/Matching%26NamingTask.zip> |
| Study\_1\Pre-registration | RetestReliabilityLexicalEntrainmentAcrossAdulthood\_FullDraft\_09\_08\_2021.doc | Microsoft Word document containing information entered when pre-registering study 1 with OSF. |
| Study\_1\Data\Combined\_data | session\_1\_combined\_data\_edited\_28\_09\_2021  session\_1b\_combined\_data  session\_2\_combined\_data\_edited\_28\_09\_2021  session\_2b\_combined\_data  Participants to exclude following session 1.doc | Comma-separated values files containing the combined data (Session 1, 1b, 2 and 2b) for use in study 1 analysis. These datasets contain data from adult participants collected via the online platforms Prolific and Testable and contain 27 variables.  Note, spelling mistakes were edited in the files indicated (see R script).  Microsoft Word document listing participants to be excluded from study 1 following Session 1 (additional exclusions detailed in R script). |
| Study\_1\Data\Raw\_data\Data\_session\_1\younger\_18-39 | session\_1\_set\_1\_younger\_10\_08\_2021.csv  session\_1\_set\_2\_younger\_10\_08\_2021.csv | Comma-separated values files containing raw data downloaded from the Testable online platform for Session 1, younger participants (study 1). The files contain 24 variables. |
| Study\_1\Data\Raw\_data\Data\_session\_1\middle\_40-59 | session\_1\_set\_1\_middle\_10\_08\_2021.csv  session\_1\_set\_2\_middle\_11\_08\_2021.csv | Comma-separated values files containing raw data downloaded from the Testable online platform for Session 1, middle-aged participants (study 1). The files contain 24 variables. |
| Study\_1\Data\Raw\_data\Data\_session\_1\ older\_60+ | session\_1\_set\_1\_older\_11\_08\_2021.csv  session\_1\_set\_2\_older\_11\_08\_2021.csv | Comma-separated values files containing raw data downloaded from the Testable online platform for Session 1, older participants (study 1). The files contain 24 variables. |
| Study\_1\Data\Raw\_data\Data\_session\_1b\All\_ages\_set\_1 | session\_1\_set\_1\_20\_09\_2021.csv  session\_1\_set\_1\_inc\_new\_columns\_20\_09\_2021.csv | Comma-separated values files containing raw data downloaded from the Testable online platform for Session 1b, set 1, all ages (study 1). The files contain 24 variables.  Note, in the second file new columns needed for analysis have been added. |
| Study\_1\Data\Raw\_data\Data\_session\_1b\All\_ages\_set\_2 | session\_1\_set\_2\_20\_09\_2021.csv  session\_1\_set\_2\_inc\_new\_columns\_20\_09\_2021.csv | Comma-separated values files containing raw data downloaded from the Testable online platform for Session 1b, set 2, all ages (study 1). The files contain 24 variables.  Note, in the second file new columns needed for analysis have been added. |
| Study\_1\Data\Raw\_data\Data\_session\_2\All\_ages\_set\_1 | session\_2\_set\_1.csv  session\_2\_set\_1\_inc\_new\_columns.csv | Comma-separated values files containing raw data downloaded from the Testable online platform for Session 2, set 1, all ages (study 1). The files contain 24 variables.  Note, in the second file new columns needed for analysis have been added. |
| Study\_1\Data\Raw\_data\Data\_session\_2\All\_ages\_set\_2 | session\_2\_set\_2.csv  session\_2\_set\_2\_inc\_new\_columns.csv | Comma-separated values files containing raw data downloaded from the Testable online platform for Session 2, set 2, all ages (study 1). The files contain 24 variables.  Note, in the second file new columns needed for analysis have been added. |
| Study\_1\Data\Raw\_data\Data\_session\_2b\All\_ages\_set\_1 | session\_2\_set\_1\_30\_09\_2021.csv  session\_2\_set\_1\_inc\_new\_columns\_30\_09\_2021.csv | Comma-separated values files containing raw data downloaded from the Testable online platform for Session 2b, set 1, all ages (study 1). The files contain 24 variables.  Note, in the second file new columns needed for analysis have been added. |
| Study\_1\Data\Raw\_data\Data\_session\_2b\All\_ages\_set\_2 | session\_2\_set\_2\_30\_09\_2021.csv  session\_2\_set\_2\_inc\_new\_columns\_30\_09\_2021.csv | Comma-separated values files containing raw data downloaded from the Testable online platform for Session 2b, set 2, all ages (study 1). The files contain 24 variables.  Note, in the second file new columns needed for analysis have been added. |
| Study\_1\Analysis\_script | R\_script\_02\_09\_2021.R | R analysis script for study 1 (use combined data files above). |
| Study\_1\Data\LIA\_questionnaire | LIA\_scored\_reduced columns.csv  LIA scoring.doc | Comma-separated values file containing data and calculated score for the “Language in Adulthood” questionnaire completed by participants in study 1. The file contains 4 variables. This data can be analysed using the above R script.  Microsoft word document containing information related to scoring the LIA questionnaire. |
| Study\_1\Data\AQ\_10\_questionnaire | AQ\_10\_scored\_reduced\_columns\_ALL\_DATA.csv  autism-spectrum-quotient-aq10-test-pdf-186582493 | Comma-separated values file containing data and calculated score for the shortened (10 item) version of the “Autism Spectrum Quotient” (AQ-10) questionnaire completed by participants in study 1. The file contains 2 variables. This data can be analysed using the above R script.  Portable Document Format file containing information related to scoring the AQ-10 questionnaire. |
| Study\_1\Data\Other | targetinfo.csv  targetinfo\_for\_diff.csv | Comma-separated values file containing the spontaneous frequencies (freq1) and acceptability rating (rating) for the selected disfavoured words in younger, middle-aged and older participants. The file contains 4 variables.  Comma-separated values file containing the spontaneous frequencies (freq1), acceptability rating (rating) and formality differential (formality\_diff) for the selected disfavoured words in younger, middle-aged and older participants. The file contains 5 variables. |
| Study\_1\Task | Task instructions.doc  debrief\_survey\_AgeLangUse\_2021\_07\_09\_CW\_edits.doc | Microsoft word document containing instructions for the lexical entrainment task presented to participants in study 1.  Microsoft word document containing debrief information for the lexical entrainment task presented to participants in study 1. |
| Study\_1\Task\Items\_and\_fillers | ExpItems\_AllGroups.csv  Fillers\_AllGroups.csv | Comma-separated values files containing lists of the experimental items and fillers used in the lexical entrainment task presented in study 1. The experimental items file contains 16 variables, and the fillers file contains 6 variables. |
| Study\_2\Pre-registration | Prereg\_LexicalMaintenanceAcrossAdulthood\_24\_01\_2022.doc | Microsoft Word document containing information entered when pre-registering study 2 with OSF. |
| Study\_2\Data | Age\_Study2\_AllData.csv  targetinfo.csv | Comma-separated values file containing the combined data for use in study 2 analysis. The file contains responses to the picture-naming task used in each session (Session: 1a, 1b, 2a, 2b), for both sets of items (Set: set1 and set2). The file includes data from participants from all three age groups (AgeGroup: Younger, Middle, Older). Participants were assigned an ID.  This dataset contains data from adult participants collected via the online platforms Prolific and can be analysed using the R scripts below (Analysis\_Entrainment.R and Analysis\_Maintenance.R)  Information regarding targets used to collect data. This information is used for analyses (e.g. lexical entrainment and maintenance effects). |
| Study2\Data | ProsocialnessScale.csv | Comma-separated values file containing data for the “Prosocialness Scale” questionnaire completed by participants in study 2. These data can be analysed using the below R scripts. |
| Study\_2\Data | Post\_Session\_1b\_Survey\_February 10, 2022\_13.52.csv  Post\_Session\_2b\_Survey\_February 18, 2022\_09.34.csv | Comma-separated values files containing data from the post session 1b and post session 2b surveys completed by participants in study 2 (see pre-registration listed above for details of the contents of these surveys for analysis). The post session 1b survey contains 19 variables and the post session 2b survey contains 37. |
| Study\_2\Analysis\_Script | Analysis\_Entrainment.R  Analysis\_Maintenance.R | R analysis scripts for study 2. |
| Study\_2\Task | Qualtrics\_welcome\_surveys.doc | Microsoft word document containing text from the welcome surveys filled out by participants in study 2 (on Qualtrics). |
| Study\_1\Task\Testable\_files | Trial\_file\_session\_1\_set\_1\_v6.csv  Trial\_file\_session\_1\_set\_2\_v6.csv  Trial\_file\_session\_2\_set\_1\_v6.csv  Trial\_file\_session\_2\_set\_2\_v6.csv | Comma-separated values files for upload into the online platform “Testable” through which we ran study 1 (sessions 1 and 2). |
| Study\_2\Task\Testable\_files | Trial\_file\_session\_1a\_set\_1\_exp\_2\_v5  Trial\_file\_session\_1a\_set\_2\_exp\_2\_v5  Trial\_file\_session\_1b\_set\_1\_exp\_2\_v4  Trial\_file\_session\_1b\_set\_2\_exp\_2\_v4  Trial\_file\_session\_2a\_set\_1\_exp\_2\_v5  Trial\_file\_session\_2a\_set\_2\_exp\_2\_v5  Trial\_file\_session\_2b\_set\_1\_exp\_2\_v4  Trial\_file\_session\_2b\_set\_2\_exp\_2\_v4 | Comma-separated values files for upload into the online platform “Testable” through which we ran study 2 (sessions 1 and 2).  Note, no images are included in this folder because the images used in Study 2 were identical to the ones used in Study 1. |
| Study\_1\Task\Testable\_files\Images\Experimental\_items | Ass.jpg  Biro.jpg  Bones.jpg  Brolly.jpg  Candy.jpg  Coach.jpg  Computer.jpg  Die.jpg  Explosive.jpg  Fag.jpg  Faucet.jpg  Fungi.jpg  Hand.jpg  Limb.jpg  Loo.jpg  Organ.jpg  Pacifier.jpg  Pants.jpg  Pistol.jpg  Rodent.jpg  Seat.jpg  Spectacles.jpg  Spud.jpg  Sweater.jpg  Throat.jpg  Toad.jpg  Tub.jpg  Wallet.jpg | Joint Photographic Experts Group files containing images for the experimental items used in study 1 and study 2. |
| Study\_1\Task\Testable\_files\Images\Fillers\_and\_distractors | Beans.jpg  Bed.jpg  Belt.jpg  Boat.jpg  Book.jpg  Camera.jpg  Coffee.jpg  Cutlery.jpg  Egg.jpg  Eye.jpg  Fan.jpg  Fish.jpg  Giraffe.jpg  Gym.jpg  Keyboard.jpg  Kitchen.jpg  Kite.jpg  Knife.jpg  Leaf.jpg  Mask.jpg  Nose.jpg  Pipe.jpg  Snail.jpg  Socks.jpg  Tent.jpg  Tie.jpg  Toothbrush.jpg  Toothpaste.jpg | Joint Photographic Experts Group files containing images for the filler/distractor items used in study 1 and study 2. |
| Study\_1\Task\Testable\_files\Images\Highlighted\_green | Ass\_hg.jpg  Beans\_hg.jpg  Bed\_hg.jpg  Belt\_hg.jpg  Biro\_hg.jpg  Boat\_hg.jpg  Bones\_hg.jpg  Book\_hg.jpg  Brolly\_hg.jpg  Camera\_hg.jpg  Candy\_hg.jpg  Coach\_hg.jpg  Coffee\_hg.jpg  Computer\_hg.jpg  Cutlery\_hg.jpg  Die\_hg.jpg  Egg\_hg.jpg  Explosive\_hg.jpg  Eye\_hg.jpg  Fag\_hg.jpg  Fan\_hg.jpg  Faucet\_hg.jpg  Fish\_hg.jpg  Fungi\_hg.jpg  Giraffe\_hg.jpg  Gym\_hg.jpg  Hand\_hg.jpg  Keyboard\_hg.jpg  Kitchen\_hg.jpg  Kite\_hg.jpg  Knife\_hg.jpg  Leaf\_hg.jpg  Limb\_hg.jpg  Loo\_hg.jpg  Mask\_hg.jpg  Nose\_hg.jpg  Organ\_hg.jpg  Pacifier\_hg.jpg  Pants\_hg.jpg  Pipe\_hg.jpg  Pistol\_hg.jpg  Rodent\_hg.jpg  Seat\_hg.jpg  Snail\_hg.jpg  Socks\_hg.jpg  Spectacles\_hg.jpg  Spud\_hg.jpg  Sweater\_hg.jpg  Tent\_hg.jpg  Throat\_hg.jpg  Tie\_hg.jpg  Toad\_hg.jpg  Toothbrush\_hg.jpg  Toothpaste\_hg.jpg  Tub\_hg.jpg  Wallet\_hg.jpg | Joint Photographic Experts Group files containing images for the experimental and filler/distractor items used in study 1 and study 2. Unlike the above images, these have been highlighted with a green border. |
| Study\_1\Task\Testable\_files\Images\Highlighted\_red | Ass\_h.jpg  Beans\_h.jpg  Bed\_h.jpg  Belt\_h.jpg  Biro\_h.jpg  Boat\_h.jpg  Bones\_h.jpg  Book\_h.jpg  Brolly\_h.jpg  Camera\_h.jpg  Candy\_h.jpg  Coach\_h.jpg  Coffee\_h.jpg  Computer\_h.jpg  Cutlery\_h.jpg  Die\_h.jpg  Egg\_h.jpg  Explosive\_h.jpg  Eye\_h.jpg  Fag\_h.jpg  Fan\_h.jpg  Faucet\_h.jpg  Fish\_h.jpg  Fungi\_h.jpg  Giraffe\_h.jpg  Gym\_h.jpg  Hand\_h.jpg  Keyboard\_h.jpg  Kitchen\_h.jpg  Kite\_h.jpg  Knife\_h.jpg  Leaf\_h.jpg  Limb\_h.jpg  Loo\_h.jpg  Mask\_h.jpg  Nose\_h.jpg  Organ\_h.jpg  Pacifier\_h.jpg  Pants\_h.jpg  Pipe\_h.jpg  Pistol\_h.jpg  Rodent\_h.jpg  Seat\_h.jpg  Snail\_h.jpg  Socks\_h.jpg  Spectacles\_h.jpg  Spud\_h.jpg  Sweater\_h.jpg  Tent\_h.jpg  Throat\_h.jpg  Tie\_h.jpg  Toad\_h.jpg  Toothbrush\_h.jpg  Toothpaste\_h.jpg  Tub\_h.jpg  Wallet\_h.jpg | Joint Photographic Experts Group files containing images for the experimental and filler/distractor items used in study 1 and study 2. Unlike the above images, these have been highlighted with a red border. |
| Study\_1\Task\Testable\_files\Images\GIF | download\_giphy.gif | Graphics interchange format file containing a moving image used to indicate waiting (for a partner) during the Testable experiment in study 2. |

A three-experiment research article including studies 1 and 2 (above), plus an experiment from Anita’s thesis, is currently in preparation.