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:***Affiliation strand* – are affiliative mechanisms implicated in syntactic and lexical alignment? And does being imitated linguistically induce pro-social behaviour? Note, there are a number of different studies which fall under this strand - see “description” column for detail as to which study a file belongs.

The following files have been archived:

|  |  |  |
| --- | --- | --- |
| **Folder name** | **File name(s)** | **Description** |
| Conversational\_dynamics\_(Maze\_Game)\Transcripts\ Maze 1 conversations\_names\_removed | Ch 1.txt  Ch 3.txt  Ch 7.txt  Ch 9.txt  Ch 17.txt  Ch 19.txt  Ch 27.txt  Ch 29.txt  Ch 31.txt  Ch 33.txt  Ch 35.txt  Ch 37.txt  Ch 39.txt  Ch 43.txt  Ch 45.txt  Ch 47.txt  Ch 49.txt  Ch 51.txt  Ch 53.txt  Ch 55.txt  Ch 57.txt  Ch 59.txt  Ch 61.txt  Ch 63.txt  Ch 65.txt  Ch 67.txt  Ch 69.txt  Ch 71.txt  Ch 73.txt  Ch 75.txt  Ch 77.txt  Ch 79.txt  Ch 81.txt  Ch 83.txt  Ch 85.txt  Ch 87.txt  Ch 89.txt  Ch 91.txt  Ch 93.txt  Ch 95.txt  Ch 97.txt  Ch 99.txt  Ch 101.txt  Ch 105.txt  Ch 107.txt | Text documents containing data from an unpublished study on the conversational dynamics between autistic children and their typically developing peers.  The data allows analysis of the questions (type, frequency, and distribution of question type) children ask each other during an interactive game.  Each data file contains a transcript of a conversation between two children participating in the “Maze Game”. The transcripts in this folder are for maze *one* of three.  The dataset contains data from 90 participants. |
| Conversational\_dynamics\_(Maze\_Game)\Transcripts\ Maze 2 conversations\_names\_removed | Ch 1.txt  Ch 3.txt  Ch 7.txt  Ch 9.txt  Ch 17.txt  Ch 19.txt  Ch 27.txt  Ch 29.txt  Ch 31.txt  Ch 33.txt  Ch 35.txt  Ch 37.txt  Ch 39.txt  Ch 43.txt  Ch 45.txt  Ch 47.txt  Ch 49.txt  Ch 51.txt  Ch 53.txt  Ch 55.txt  Ch 57.txt  Ch 59.txt  Ch 61.txt  Ch 63.txt  Ch 65.txt  Ch 67.txt  Ch 69.txt  Ch 71.txt  Ch 73.txt  Ch 75.txt  Ch 77.txt  Ch 79.txt  Ch 81.txt  Ch 83.txt  Ch 85.txt  Ch 87.txt  Ch 89.txt  Ch 91.txt  Ch 93.txt  Ch 95.txt  Ch 97.txt  Ch 99.txt  Ch 101.txt  Ch 105.txt  Ch 107.txt | Text documents containing data from an unpublished study on the conversational dynamics between autistic children and their typically developing peers.  The data allows analysis of the questions (type, frequency, and distribution of question type) children ask each other during an interactive game.  Each data file contains a transcript of a conversation between two children participating in the “Maze Game”. The transcripts in this folder are for maze *two* of three.  The dataset contains data from 90 participants. |
| Conversational\_dynamics\_(Maze\_Game)\Transcripts\ Maze 3 conversations\_names\_removed | Ch 1.txt  Ch 3.txt  Ch 7.txt  Ch 9.txt  Ch 17.txt  Ch 19.txt  Ch 27.txt  Ch 29.txt  Ch 31.txt  Ch 33.txt  Ch 35.txt  Ch 37.txt  Ch 39.txt  Ch 43.txt  Ch 45.txt  Ch 47.txt  Ch 49.txt  Ch 51.txt  Ch 53.txt  Ch 55.txt  Ch 57.txt  Ch 59.txt  Ch 61.txt  Ch 63.txt  Ch 65.txt  Ch 67.txt  Ch 69.txt  Ch 71.txt  Ch 73.txt  Ch 75.txt  Ch 77.txt  Ch 79.txt  Ch 81.txt  Ch 83.txt  Ch 85.txt  Ch 87.txt  Ch 89.txt  Ch 91.txt  Ch 93.txt  Ch 95.txt  Ch 97.txt  Ch 99.txt  Ch 101.txt  Ch 105.txt  Ch 107.txt | Text documents containing data from an unpublished study on the conversational dynamics between autistic children and their typically developing peers.  The data allows analysis of the questions (type, frequency, and distribution of question type) children ask each other during an interactive game.  Each data file contains a transcript of a conversation between two children participating in the “Maze Game”. The transcripts in this folder are for maze *three* of three.  The dataset contains data from 90 participants. |
| Conversational\_dynamics\_(Maze\_Game) | Final matching.xlsx | Microsoft Excel Worksheet containing data from an unpublished study on the conversational dynamics between autistic children and their typically developing peers.  The dataset contains data from 15 autistic participants and eight variables. |
| Conversational\_dynamics\_(Maze\_Game) | Semantic alignment data.csv | Comma-separated values file containing demographic data from an unpublished study on the conversational dynamics between autistic children and their typically developing peers.  The dataset contains data from 45 participants (focal children) and 36 variables.  “Diagnosis” refers to whether a participant was autistic or typically developing (TD).  “Group” refers to whether a participant was autistic, TD - chronological match, or TD – VMA match. |
| Combined Cyberball write-ups | Lexical and syntactic models.R | R file containing an analysis script from studies on lexical and syntactic language imitation following ostracism (in autistic and typically developing children). |
| Cyberball study (lexical alignment)\ Combined data for autistic children | ASD Cyberball (inclusion).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical alignment in autistic children.  Children were either included or ostracised in a game (Cyberball). This dataset contains data from the “included” group and consists of data from 11 participants and 17 variables. Participants attended SEN schools or units in mainstream primary schools. |
| Cyberball study (lexical alignment)\ Combined data for autistic children | ASD Cyberball (ostracism).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical alignment in autistic children.  Children were either included or ostracised in a game (Cyberball). This dataset contains data from the “ostracised” group and consists of data from 12 participants and 17 variables. Participants attended SEN schools or units in mainstream primary schools. |
| Cyberball study (lexical alignment)\ Combined data for autistic children | ASD SCQ subset (below threshold).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical alignment in autistic children.  Each child’s social-communicative functioning was assessed via the Social Communication Questionnaire (SCQ). This dataset contains data from the autistic children who scored below the diagnostic threshold and consists of data from 12 participants and 20 variables. |
| Cyberball study (lexical alignment)\ Combined data for autistic children | ASD SCQ subset (threshold or above).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical alignment in autistic children.  Each child’s social-communicative functioning was assessed via the Social Communication Questionnaire (SCQ). This dataset contains data from the autistic children who scored at or above the diagnostic threshold and consists of data from 11 participants and 20 variables. |
| Cyberball study (lexical alignment)\ Combined data for autistic children | Combined Cyberball data (ASD).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical alignment in autistic children.  Children were either included or ostracised in a game (Cyberball). This dataset contains data from both the “included” and “ostracised” groups and consists of data from all 23 participants and 20 variables. Participants attended SEN schools or units in mainstream primary schools. |
| Cyberball study (lexical alignment)\ Combined data for autistic children | Cyberball data (ASD).xlsx | Microsoft Excel Worksheet containing data from a study on the effects of an ostracism manipulation on lexical alignment in autistic children.  Children were either included or ostracised in a game (Cyberball). This dataset contains data from both the “included” and “ostracised” groups and consists of data from all 23 participants and 20 variables. Participants attended SEN schools or units in mainstream primary schools. |
| Cyberball study (lexical alignment)\ Combined data for autistic children | Disp eff.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical alignment in autistic children.  Children were either included or ostracised in a game (Cyberball). This dataset contains data from three variables and all 23 participants. |
| Cyberball study (lexical alignment)\ Combined data for autistic children | Dispreferred alignment effects.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical alignment in autistic children.  Children were either included or ostracised in a game (Cyberball). This dataset contains data from all 23 participants and 5 variables. “Propofdisp” is the proportion of dispreferred words uttered by a participant. |
| Cyberball study (lexical alignment)\ Combined data for autistic children | Logodds.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical alignment in autistic children.  This dataset contains data from all 23 participants and 5 variables. It is as the above file except that it contains the variable “logodds” as opposed to “Propofdisp”. |
| Cyberball study (lexical alignment)\ Combined data for autistic children | Markup of R script - full ASD Cyberball analyses (lexical alignment).pdf | Adobe Acrobat Document containing a markup of an R analysis script from a study on the effects of an ostracism manipulation on lexical alignment in autistic children. |
| Cyberball study (lexical alignment)\ Combined data for typical children\ R Studio statistics | Cohen's D.R  Complete analyses for write-up (Andrew).R  Complete analyses for write-up.R  Cyberball analyses (Laura).R  Cyberball.R  Interaction graph.R | A number of R analysis scripts from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. These scripts are connected to the lexical alignment strand of the study. |
| Cyberball study (lexical alignment)\ Combined data for typical children | Cohen's d data subset.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from 58 participants who were either included or ostracised in a game (Cyberball). The file contains three variables |
| Cyberball study (lexical alignment)\ Combined data for typical children | Cyberball data - NA excluded.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This full dataset contains data from 58 typically developing participants who were either included or ostracised in a game (Cyberball). The file contains 21 variables and NAs have been excluded. |
| Cyberball study (lexical alignment)\ Combined data for typical children | Cyberball data - NA excluded.xlsx | Microsoft Excel Worksheet containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This full dataset contains data from 58 typically developing participants who were either included or ostracised in a game (Cyberball). The file contains 21 variables and NAs have been excluded. |
| Cyberball study (lexical alignment)\ Combined data for typical children | Cyberball data - supergroup (with calculated alignment effects).xlsx | Microsoft Excel Worksheet containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing and autistic children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from a 20-participant subset of autistic participants pooled from experiments 1 and 2 (to enable analysis of data combined across both experiments). Children were either included or ostracised in a game (Cyberball). The file contains 20 variables. |
| Cyberball study (lexical alignment)\ Combined data for typical children | Proportion data – lexical.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from 58 typically developing participants who were either included or ostracised in a game (Cyberball). The file contains four variables. |
| Cyberball study (lexical alignment)\ Combined data for typical children | Target responses (A primes only).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from 58 typically developing participants who were either included or ostracised in a game (Cyberball). The file contains 21 variables and A (active) primes only. |
| Cyberball study (lexical alignment)\ Combined data for typical children | Target responses (P primes only).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from 58 typically developing participants who were either included or ostracised in a game (Cyberball). The file contains 21 variables and P (passive) primes only. |
| Cyberball study (lexical alignment)\ School\_1\_data | Cyberball data - ASD (lexical alignment\_School1).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from typically developing participants who were either included or ostracised in a game (Cyberball). The file includes data from five participants tested at one school (School 1) and 20 variables. |
| Cyberball study (lexical alignment)\ School\_2\_data | Cyberball data (lexical alignment\_School2).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from typically developing participants who were either included or ostracised in a game (Cyberball). The file includes data from 24 participants tested at one school (School 2) and 18 variables. |
| Cyberball study (lexical alignment)\ School\_3\_data | Cyberball data - ASD (lexical alignment\_School3).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from participants who were either included or ostracised in a game (Cyberball). The file includes data from two autistic participants tested at one school (School 3) and 20 variables. |
| Cyberball study (lexical alignment)\ School\_3\_data | Cyberball data - recoded ostracism condition (lexical alignment\_School3).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from typically developing participants who were either included or ostracised in a game (Cyberball); the ostracism condition has been recoded. The file includes data from 34 participants tested at one school (School 3) and 18 variables. |
| Cyberball study (lexical alignment)\ School\_3\_data | Cyberball data (lexical alignment\_School3).csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from typically developing participants who were either included or ostracised in a game (Cyberball). The file includes data from 34 participants tested at one school (School 3) and 18 variables. |
| Cyberball study (lexical alignment)\ School\_3\_data | Cyberball data (lexical alignment\_School3).xlsx | Microsoft Excel Worksheet containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from typically developing participants who were either included or ostracised in a game (Cyberball). The file includes data from 34 participants tested at one school (School 3) and 18 variables. |
| Cyberball study (lexical alignment)\ School\_4\_data | Cyberball data (lexical alignment\_School4).xlsx | Microsoft Excel Worksheet containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the lexical alignment strand of the study.  This dataset contains data from typically developing participants who were either included or ostracised in a game (Cyberball). The file includes data from 24 participants tested at one school (School 4) and 20 variables. |
| Cyberball study (syntactic alignment)\ Combined data for typical children | Cyberball syntactic data.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the syntactic alignment strand of the study.  This dataset contains data from typically developing participants who were either included or ostracised in a game (Cyberball). The file includes data from 57 participants and 16 variables. |
| Cyberball study (syntactic alignment)\ Combined data for typical children | Data for confidence intervals.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This data file is connected to the syntactic alignment strand of the study.  This dataset contains data from typically developing participants who were either included or ostracised in a game (Cyberball). The file includes data from 57 participants and two variables as used to calculate confidence intervals. |
| Cyberball study (syntactic alignment)\ Combined data for typical children | First look at TD data.R | R file containing an analysis script from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This file is connected to the syntactic alignment strand of the study. |
| Cyberball study (syntactic alignment)\ Combined data for typical children | graphingdatasyntax.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children.  This dataset contains data from typically developing participants who were either included or ostracised in the Cyberball game (see “Condition” column). The file includes data from 57 participants and four variables as used to graph syntax data. |
| Cyberball study (syntactic alignment)\ Combined data for typical children | Presentation order.xlsx | Microsoft Excel Worksheet containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children.  This file contains the presentation order of items in the study and contains two variables. |
| Cyberball study (syntactic alignment)\ Combined data for typical children | Proportion data – syntactic.csv | Comma-separated values file containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children.  This dataset contains data from typically developing participants who were either included or ostracised in a game (Cyberball). The file includes data on the proportion of syntactic alignment from 57 participants and includes three variables. |
| Cyberball study (syntactic alignment)\ UG record sheets | 001-A  001-B  002-A  002-B  003-A  003-B  004-A  004-B  005-A  005-B  006-A  006-B  007-A  007-B  008-A  008-B  009-A  009-B  010-B  011-B  012-A  012-B  013-A  013-B  014-A  014-B  015-A  015-B  016-A  016-B  017-A  017-B  018-A  018-B  019-A  019-B  020-A  Participant 20 (J)  Participant 21 (J)  Participant 40 (Q)  Participant 41 (Q)  Participant 42 (Q)  Participant 43 (Q)  Participant 44 (Q)  Participant 45 (Q)  Participant 46 (Q)  Participant 47 (Q)  Participant 48 (Q)  Participant 49 (Q)  Participant 50 (J)  Participant 51 (J)  Participant 52 (J)  Participant 53 (J)  Participant 54 (J)  Participant 55 (J)  Participant 56 (J)  Participant 57 (J) | Microsoft Excel Worksheets containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This file is connected to the syntactic alignment strand of the study.  The individual files are record sheets used when coding participants’ responses and each file corresponds to the results of one participant. |
| Cyberball study (syntactic alignment)\ UG record sheets | Sheet-Of-Participant-Information | Microsoft Word document containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children. This file is connected to the syntactic alignment strand of the study.  The file contains a table with further information on 57 participants (personal details removed). There are six variables. |
| Cyberball study (syntactic alignment) | Mastersheet for Participant coding.xlsx | Microsoft Excel Worksheet containing data from a study on the effects of an ostracism manipulation on lexical and syntactic alignment in typically developing children.  This dataset contains data from typically developing participants who were either included or ostracised in the Cyberball game (see “Condition” column). The file includes data from 57 participants and 15 variables. |
| QuestionAskingInAutisticAndTDchildren | CodingSchemeForMazeGame.docx | Microsoft Word document containing a coding scheme to identify questions and categorise them. |
| QuestionAskingInAutisticAndTDchildren | Set1\_QuestionsIdentified.xlsx  Set2\_QuestionsIdentified.xlsx  Set3\_QuestionsIdentified.xlsx  Set4\_QuestionsIdentified.xlsx  Set5\_QuestionsIdentified.xlsx | Microsoft Excel Worksheets containing data from an unpublished study on the conversational dynamics between autistic children and their typically developing peers. Files include coded data (non-coded data available in folder Conversational\_dynamics\_(Maze\_Game)\Transcripts)  Each data file contains a set of transcripts of conversations between two children participating in the “Maze Game”. The transcripts in this folder are for all three mazes involved in the task.  Rows containing questions are highlighted in yellow. |
| Cyberostracism\_and\_lexical\_alignment\Experiment1 | CB4\_cleandata\_2020\_02\_14.csv  CB4\_BigFive\_Scores.csv  Exp1\_2022\_05\_23\_FinalScript.R | Comma-separated file containing a dataset generated by an online picture-naming task completed by online participants born and raised in the UK. Materials are normed for British English. Half of participants experienced ostracism before completing the task (Cyberball). In addition, the dataset contains information about participants’ age and gender.  Comma-separated file containing information about Experiment 1 participants’ personality traits (Extraversion, Agreeableness, Conscientousness, Neuroticism, and Openness).  R file containing an analysis script for ostracism and personality effects on lexical alignment for Experiment 1. To run the script, the CSV files above are needed. **Note, edit is needed: personality scores need to be centred and normalised before reporting results.** |
| Cyberostracism\_and\_lexical\_alignment\Experiment2 | CB5\_cleandata\_2020\_02\_14.csv  CB5\_BigFive\_Scores.csv  Exp2\_FinalScript\_2022\_05\_24 | Comma-separated file containing a dataset generated by an online picture-naming task completed by online participants born and raised in the UK. Materials are normed for British English. Half of participants experienced ostracism before completing the task (SocialExclusion). In addition, the dataset contains information about participants’ age and gender.  Comma-separated file containing information about Experiment 2 participants’ personality traits (Extraversion, Agreeableness, Conscientousness, Neuroticism, and Openness).  R file containing an analysis script for ostracism and personality effects on lexical alignment for Experiment 2. To run the script, the CSV files above are needed. **Note, edit is needed: personality scores need to be centred and normalised before reporting results.** |
| Cyberostracism\_and\_lexical\_alignment\Experiment3 | AllData\_FinalExp.csv  Exp3\_FinalScript\_2022\_05\_31.R | Comma-separated file containing a dataset generated by an online picture-naming task completed by online participants born and raised in the UK. Materials are normed for British English. Half of participants experienced ostracism before completing the task (Cyberball), an experimental manipulation checked by the number of ball-tosses reported by participants (BallTossess). In addition, the dataset contains information about individual differences in personality traits (Extraversion, Agreeableness, Conscientousness, Neuroticism, and Openness), as well as participants’ age and gender.  R file containing an analysis script for ostracism and personality effects on lexical alignment for Experiment 3. To run the script, the CSV file above is needed. **Note, edit is needed: personality scores need to be centred and normalised before reporting results.** |
| Cyberostracism\_and\_lexical\_alignment | Exp1and2\_Combined\_2022\_05\_23\_FinalScript.R | R file containing an analysis script from studies on ostracism and personality effects on lexical alignment for Experiments 1 and 2. To run this scripts, the following files are needed: CB5\_cleandata\_2020\_02\_14.csv  CB5\_BigFive\_Scores.csv  CB4\_cleandata\_2020\_02\_14.csv  CB4\_BigFive\_Scores.csv  **Note, edit is needed: personality scores need to be centred and normalised before reporting results.** |
| LexicalAlignment\_TDChildren | Exp1.csv  Exp2.csv  Exp3.csv  Exp4.csv  Exp5.csv | Comma-separated files containing datasets generated to study the effects of ostracism on lexical alignment in typically developing children. The files contain information about what video condition the participant was in (Video: ostracism vs neutral), what prime they heard for each specific trial (Prime Type: preferred word vs dispreferred word), the participants’ response and whether that response was a preferred, dispreferred or other kind of response.  In Exp 1, prime and target pictures were the same. In Exp 2, prime and target pictures were differen. In Exp 3, participants named pictures before the experiment began to the experimenter. In Exp 4, participants names pictures to a different experimenter to the one they were playing snap with. In Exp 5, a new referential communication paradigm was used, which encouraged participants to be more collaborative. |

Research articles for this project strand include:

Hopkins, Z. L., Yuill, N., & Branigan, H. P. (2021). Autistic children’s language imitation shows reduced sensitivity to ostracism. *Journal of Autism and Developmental Disorders*. https://doi.org/10.1007/s10803-021-05041-5

Hopkins, Z. L., & Branigan, H. P. (2020). Children show selectively increased language imitation after experiencing ostracism. *Developmental Psychology*, *56*(5), 897-911. https://doi.org/10.1037/dev0000915