

Alyawarra1971 Kin Data Key.pdf

Alyawarra1971KinData.xls is a logical extension of **Alyawarra1971data.txt**, the genealogical, demographic and census data file of that name that belongs to the Alyawarra1971 dataset in the KinSources Data Repository.

By “logical extension”, I mean that the ID Numbers used in the two files are identical; therefore it is possible to logically “append” the contents of the kinship data file to the corresponding records in the genealogical, demographic and census data file and analyze them together.

The KinData file is a rectangular matrix of 104 Egos by 225 Alters in Excel2003.xls format. It contains two header records and 104 numeric data records.

The file has the following layout:

Col. A-B: Egos' Identity		Col. C-HS: Kinterms Ego Applies to Each Alter			
A	B	C	D	...	HS
	Alter Col # →	1	2	n...	225
Ego Record No.	Alter ID# →	1	2	n...	261
	Ego ID# ↓				
0001	001	Kinterm nn	Kinterm nn	Kinterm nn	Kinterm nn
0002	002	Kinterm nn	Kinterm nn	Kinterm nn	Kinterm nn
0003	003	Kinterm nn	Kinterm nn	Kinterm nn	Kinterm nn

Col. A. Record # **Ego's Record Number** I elicited kinship term sets from 104 of the 267 people in the research population. This file contains 1 record, 1 through 104, for each person from whom I elicited kinterm sets.

Col. B. ID# **Ego's ID Number** ID Numbers for the 104 Egos from whom I elicited kinterm sets appear in Col. B.

Col. C thru HS: Kinterms applied to Alters The kinship term codes applied by Egos to Alters are stored in Col. C – HS, one column for each of the 225 Alters. For various reasons including birth, death, late arrival in the study area, etc., 42 of the 267 members of the research population were not included as Alters in the kinship term elicitation; hence, their ID Numbers do not appear here and no data for them appear in the data file.

- The **Alter Col#** row contains numbers 1-225, one for each Alter.
- The **Alter ID#** row contains the ID# of each of those 225 Alters.

Data Rows: **Ego = ID#001- 113** (Records 1–53) contain kinship terms provided by 53 male egos in ID# range 001-113.

Ego = ID#152 – 236 (Records 54–104) contain kinship terms provided by 51 female egos in ID# range 152-236.

Cells in the body of the matrix Each cell contains a numerical Kinterm code for the kinship term that Ego (row) applied to Alter (column). The codes and the terms they represent in the Alyawarra language and the kin types to which they apply appear here. Read the glosses as follows: F=father, M=mother, B=brother, Z=sister, S=son, D=daughter, H=husband, W=wife, e=elder, fs=female speaker, ms=male speaker.

Kinterm Code	Alyawarra kinship terms	Kin types to whom the code applies in accordance with River's genealogical method
01	Arengiya	FF/FFZ, SS/SD (ms), BSS/BSD (fs)
02	Anyainya	MM/MMB, MMBSS/MMBSD, ZDS/ZDD (ms), DS/DD (fs)
03	Aidmeniya	MMBSS/MMBSD, ZDS/ZDD (ms), DS/DD (fs)
04	Aburliya	FM/FMB, FMBSD/FMBSS, ZSS/ZSD (ms), SS/SD (fs)
05	Adardiya	MF/MFZ, DS/DD, BDS/BDD (fs)
06	Agngiya	F
07	Aweniya	FZ, FMZD
08	Amaidya	M, SW (ms)
09	Abmarliya	MB, SWB (ms)
10	Awaadya	EB
11	Anguriya	EZ
12	Adiadya	YB/YZ
13	Angeliya	FZS/MBS
14	Algyeliya	FZD/MBD
15	Adniadya	MBS
16	Aleriya	S/D (ms), BS/BD (fs)
17	Umbaidya	S/D (fs), ZS/ZD (ms), FMBS/FMBD
18	Anowadya	W/MMBDD (ms), H/MFZDS (fs)
19	Muriya	MMBD/MMBS, WM/WMB (ms), ZDH/ZDHZ (ms)
20	Agenduriya	ZS/ZD (ms), rare form for biological (proper) sister's child
21	Amburniya	WB/ZH
22	Andungiya	HZ/BW (fs)
23	Aneriya	BWM/DHZ (fs)
24	Aiyenga	"Myself"
25	Unknown	
26	Undyaidya	WZ (ms), rare form used as reciprocal for amburniya (WB)
27	Gnaldena	YZ, rare form for biological (proper) younger sister
28	Dead	
29	No Response	

Since the KinData file is a rectangular matrix of 104 Egos by 225 Alters, there are, at minimum, two distinctly different ways to analyze it.

- On the one hand, we can treat the kinship data file as a rectangular matrix wherein we can examine the kinship terms that each of 104 Egos applies unidirectionally to each of 225 Alters; e.g., Ego#10 refers to Alter#15 (his MB) as *9 Abmarliya*.
- On the other hand, we can treat a subset of the data file as a square matrix (104 x 104) wherein we can examine the reciprocal pair of kinship terms that each Ego applies to each of 104 Alters **along with** the kinterms that those 104 Alters apply to each Ego; e.g., Ego#10 refers to Alter#15 (MB) as *9 Abmarliya*, **and** Alter#15 reciprocates by referring to Ego #10 (ZS) as *17 Umbaidya*.

Data collection methods and various analytical procedures are described in detail in:

- Denham, W.W. and D.R. White, 2005. [Multiple measures of Alyawarra kinship](#). *Field Methods* 17(1): 70-101.
- Denham, W.W., C.K. McDaniel and J.R. Atkins 1979. Aranda and Alyawarra kinship: A quantitative argument for a double helix model. *American Ethnologist* 6:1-24.
- Kemp, Charles, Joshua B. Tenenbaum, Sourabh Niyogi, Thomas L. Griffiths 2010. [A probabilistic model of theory formation](#). *Cognition* 114:165–196.

For details concerning the “master” file entitled Alyawarra1971data.txt, see:

- Denham, W.W., 2003. AU01 Alyawarra1971 Manual (Alyawarra1971Manual.pdf), in the KinSources Data Repository.

For additional information, please contact Woodrow W. Denham or Douglas R. White.