Ecography

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Supplementary material

Appendix 1

Table A1. The 102 societies included in the analyses of land ownership patterns. All data obtained from D-PLACE (www.d-place.org).

Society name	Latitude	Longitude	Language family	Main land ownership norm
!Kung	-20	21	Southern Africa	Group
Abipón	-29	-61	Guaicuruan	None
Ainu	44	144	Language isolate	Group
Aleut	53.86	-166.79	Eskimo-Aleut	Kin
Alorese	-8.22	124.26	Austronesian	Individual
Amhara	13	38	Afro-Asiatic	Individual
Assiniboin	48	-106	Siouan	Group
Balinese	-8.18	115.02	Austronesian	Individual
Bambara	13	-7	Mande	None
Barama River Carib	5	-59	Cariban	None
Bemba	-11	31	Atlantic-Congo	Individual
Bungi	51	-100	Algic	Group
Burmese	20	95	Sino-Tibetan	Kin
Burusho	37	75	Language isolate	Individual
Canela	-7	-45	Jean	Individual
Chachi	1	-79	Barbacoan	Individual
Chugach	60.72	-146.49	Eskimo-Aleut	None
Coast Yuki	39.34	-123.77	Yukian	None
Comanche	33	-100	Uto-Aztecan	None
Copper Inuit	69	-110	Eskimo-Aleut	Group
Crow	45	-108	Siouan-Catawban	Individual
Cubeo	1	-71	Tucanoan	None
Dene	60	-105	Eyak-Athabaskan	None
Egyptians	25	33	Afro-Asiatic	Individual
Ganda	1	32	Atlantic-Congo	None
Garo	26	91	Sino-Tibetan	Kin
Gheg	42	20	Indo-European	Individual
Guna	9	-78	Chibchan	Individual
Haitians	18.41	-72.17	Creole	Individual
Huichol	23	-104	Uto-Aztecan	Group
Ifugao	17	121	Austronesian	Kin
Igbo	6	7	Atlantic-Congo	Kin
Irish	53	-9	Indo-European	Individual
Japanese	35	136	Japonic	Kin
Javanese	-7	110	Austronesian	Kin
Kaska	59	-128	Eyak-Athabaskan	None

Kikuyu	-1	37	Atlantic-Congo	Individual
Klamath	43	-122	Language isolate	Group
Koreans	35	102	Language isolate	Individual
Kwoma	-4	142	Sepik	Kin
Lepcha	28	89	Sino-Tibetan	None
Lolo	29	103	Sino-Tibetan	Kin
Lozi	-15	23	Niger-Congo, Atlantic-Congo	None
Maasi	-2	36	Nilo-Saharan, Eastern Sudanic	None
Māori	-38.41	176.31	Austronesian	Kin
Mapuche	-39	-68	Mapudungu	Kin
Mee	-4	136	Trans-New Guinea	Individual
Mende	8	-11	Mande	Kin
Miskito	13	-85	Misumalpan	Individual
Munduruku	-6	-58	Tupian	None
Nama	-26	18	Southern Africa	None
Nambikwara	-12	-59	Nambiquaran	None
Naskapi	58	-70	Algic	None
Nivkh	53	142	Language isolate	Kin
Nkundo	0	20	Niger-Congo, Atlantic-Congo	Individual
Nootka	49.16	-125.85	Wakashan	Kin
Northern Aranda	-24	134	Pama-Nyungan	Group
Nuxalk	52	-127	Salish	Kin
Nyakyusa	-9	34	Atlantic-Congo	Group
Orokaiva	-9	148	Trans-New Guinea	Kin
Palauans	7.45	134.54	Austronesian	Kin
Pumé	7	-68	Unclassified	None
Quinault	47.42	-124.16	Salish	None
Riffians	35	-4	Afro-Asiatic	Individual
Sami	68	22	Uralic	None
Semang	5	101	Austro-Asiatic	Kin
Shuar	-3	-78	Jivaroan	None
Sirionó	-16	-64	Tupian	None
Siuai	-6	155	South Bougainville	Kin
Somali	8	48	Afro-Asiatic	None
Southern Ute	38	-109	Uto-Aztecan	None
Spanish Basques	43	-2	Language isolate	Individual
Tallensi	11	-1	Atlantic-Congo	Kin
Tanala	-22	47	Austronesian	Kin
Teda	21	17	Nilo-Saharan, Saharan	Kin
Thai	15	100	Tai-Kadai	Individual
Tikopia	-12.29	168.83	Austronesian	Kin
Tiv	7	9	Atlantic-Congo	None

Tiwi	-11.56	130.81	Tiwian	Kin
Tlingit	58.12	-133.92	Language isolate	Kin
Toda	12	77	Dravidian	Kin
Toedokado	40	-118	Uto-Aztecan	None
Toradja	-2	121	Austronesian	Group
Trobriands	-8.43	151.09	Austronesian	Kin
Trukese	7.34	151.6	Austronesian	Kin
Trumai	-12	-53	Language isolate	None
Tsonga	-24	32	Atlantic-Congo	Individual
Tübalulabal	39	-118	Uto-Aztecan	None
Turks	38	30	Altaic	Kin
Uttar Pradesh	26	83	Indo-European	Individual
Vedda	8	81	Indo-European	Group
Wadadokado	43	-119	Uto-Aztecan	Group
Wadatkuht	41	-120	Uto-Aztecan	Group
Warao	9	-62	Language isolate	None
Wayuu	12	-72	Maipurean	Kin
Wolof	15	-17	Niger-Congo, Atlantic-Congo	Kin
Yahgan	-55.02	-68.98	Language isolate	Group
Yanomamo	2	-65	Yanomaman	None
Yapese	9.55	138.13	Austronesian	Individual
Yokuts	36	-120	Yokutsan	None
Yuki	40	-123	Yukian	Group
Zuni	35	-109	Language isolate	Individual

Table A2. Results of Principal Components Analysis of environmental variables with varimax rotation.

Variable	Environmental productivity (PC1)	Productivity uncertainty (PC3)	Mountainous (PC2)	Uniqueness
sqrt (k - annual mean temperature)	**-0.70**	0.16	**0.58**	0.147
ln (annual temperature variance)	**-0.85**	-0.02	0.37	0.141
sqrt (annual mean precipitation)	**0.86**	0.28	0.06	0.176
ln (annual precipitation variance)	**0.85**	0.24	0.10	0.219
sqrt (annual mean npp)	**0.68**	**0.57**	-0.14	0.190
sqrt (annual mean npp variance)	0.01	**0.98**	0.03	0.038
sqrt (npp constancy)	-0.45	**-0.84**	0.12	0.073
sqrt (elevation)	-0.14	-0.19	**0.85**	0.225
sqrt (slope)	0.04	0.05	**0.90**	0.189
SS loadings	3.35	2.19	2.06	
Cumulative variance	0.37	0.62	0.84	

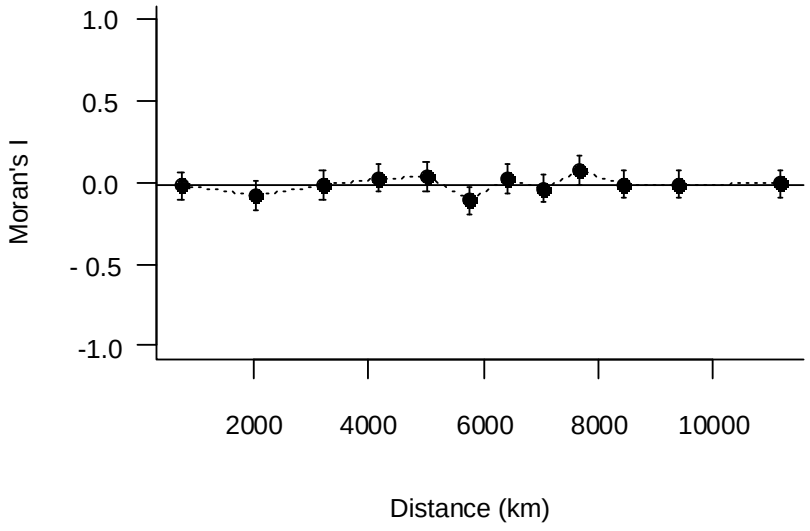

Figure A1. Moran's I by distance for model residuals from global model (i.e. full model prior to model averaging).