1   Supplementary

2   Mushfiqul Anwar Siraji[1, *], Rafael Robert Lazar[2, 3, *], Juliëtte van Duijnhoven[4], Luc

3   Schlangen[5], Shamsul Haque[1], Vineetha Kalavally[6], Céline Vetter[7, 8], Gena Glickman[9],

4   Karin Smolders[10], & Manuel Spitschan[11, 2, 3]

5   [1] Monash University, Department of Psychology, Jeffrey Cheah School of Medicine and

6   Health Sciences, Malaysia

7   [2] Psychiatric Hospital of the University of Basel (UPK), Centre for Chronobiology, Basel,

8   Switzerland

9   [3] University of Basel, Transfaculty Research Platform Molecular and Cognitive

10   Neurosciences, Basel, Switzerland

11   [4] Eindhoven University of Technology, Department of the Built Environment, Building

12   Lighting, Eindhoven, Netherlands

13   [5] Eindhoven University of Technology, Department of Industrial Engineering and

14   Innovation Sciences, Intelligent Lighting Institute, Eindhoven, Netherlands

15   [6] Monash University, Department of Electrical and Computer Systems Engineering,

16   Malaysia, Selangor, Malaysia

17   [7] University of Colorado Boulder, Department of Integrative Physiology, Boulder, USA

18   [8] Ximes GmbH, Frankfurt, Germany

19   [9] Uniformed Services University of the Health Sciences, Department of Psychiatry,

20   Bethesda, USA

[10] Eindhoven University of Technology, Human-Technology Interaction Group, Eindhoven, Netherlands

[11] University of Oxford, Department of Experimental Psychology, Oxford, UK

[*] Joint first author

Supplementary

SA: Confirming the five factor solution obtained using minimum residual extraction method

SA: Factor analysis with six factors

SA: Factor Analysis with Unmerged Response Option

Table 3 summarizes the univariate descriptive statistics for the 48 items with un-merged options. Some of the items were skewed with high Kurtosis values. Our data violated both univariate normality (Shapiro-Wilk statistics) and multivariate normality assumptions [Marida's test]. Multivariate skew was = 494.70 (p <0.001) and multivariate kurtosis was = 2,705.00 (p <0.001). Due to these violations and ordinal nature of the response data polychoric correlations over Pearson's correlations was chosen. Sampling adequacy was checked using Kaiser-Meyer-Olkin (KMO) measures of sampling adequacy. The overall KMO vale for 48 items was 0.65 which was above the cutoff value (.50) indicating a mediocre sample. Bartlett's test of sphericity, χ^2 (1128) = 5515.20, p < .001 indicated the correlations between items are adequate for the EFA. However only 4.34% of the inter-item correlation coefficients were greater than .30. The absolute value of inter-item correlation ranged between .00 to .96.Figure **??** depicts the correlation matrix. For un-merged response option Horn's parallel analysis with 500 iterations indicated a five-factor solution. However, Scree plot and the MAP method suggested 6-factor solution. five-factor solution . As a result, we tested both five-factor and six-factor solutions. The six factor solution yielded a factor with only two salient loading (Table 5. Thus we reject the six factor solution. The five factor solution retained

49 24 items (Table 4). However the factors are less interpretable in terms of common theme.

50 Thus we reject the five factor solution.

51

52

53

54 **Items Retained in the Five Factor Solution [Unmerged Responses]**

55 **Geographic Locations of Survey Participants**

Table 1

Factor loadings and communality of the retained items(Minmum Residual)

item	MR1	MR2	MR3	MR4	MR5	Communality	Uniqueness
item16	1					0.996	0.004
item36	0.94					0.897	0.103
item17	0.8					0.658	0.342
item11		0.79				0.642	0.358
item10		0.76				0.592	0.408
item12		0.65				0.465	0.535
item7		0.5				0.267	0.733
item8		-0.49				0.252	0.748
item9		0.32				0.113	0.887
item27			0.8			0.659	0.341
item3			0.8			0.683	0.317
item40			0.65			0.464	0.536
item30			0.45			0.353	0.647
item41			0.36			0.329	0.671
item33				0.74		0.555	0.445
item32				0.73		0.623	0.377
item35				0.66		0.455	0.545
item37				-0.39		0.175	0.825
item38				0.38		0.178	0.822
item46					0.6	0.422	0.578
item45					0.59	0.374	0.626
item25					0.41	0.193	0.807
item4					0.41	0.219	0.781

Table 1 continued

item	MR1	MR2	MR3	MR4	MR5	Communality	Uniqueness
item1					0.4	0.17	0.83
item26					0.35	0.165	0.835
% of Variance	0.1	0.1	0.09	0.08	0.06		

Note. Only loading higher than .30 is reported

Table 2

Factor loadings and communality of the retained items(six factor)

item	PA1	PA4	PA2	PA3	PA5	PA6	Communality	Uniqueness
item19	1.78						3.318	-2.318
item5							0.11	0.89
item16		1					1.004	-0.004
item36		0.91					0.86	0.14
item17		0.81					0.691	0.309
item11			0.83				0.71	0.29
item10			0.79				0.638	0.362
item12			0.63				0.465	0.535
item8			-0.5				0.269	0.731
item7			0.47				0.268	0.732
item9			0.32				0.163	0.837
item33				0.83			0.698	0.302
item32				0.75			0.666	0.334
item35				0.64			0.446	0.554
item31				0.48			0.331	0.669
item38				0.39			0.191	0.809
item37				-0.35			0.153	0.847
item3					0.85		0.748	0.252
item27					0.8		0.644	0.356
item40					0.68		0.507	0.493
item46						0.6	0.431	0.569
item45						0.56	0.341	0.659
item4						0.43	0.265	0.735

Table 2 continued

item	PA1	PA4	PA2	PA3	PA5	PA6	Communality	Uniqueness
item25						0.4	0.178	0.822
item1						0.36	0.142	0.858
item26						0.36	0.173	0.827
item13							0.087	0.913
item29							0.108	0.892
% of Variance	0.12	0.09	0.09	0.08	0.07	0.06		

Note. Only loading higher than .30 is reported

Table 3

Descriptive Statistics for Unmerged response options

	Mean	SD	Skew	Kurtosis	Shapiro-Wilk Statistics	Item-Total Correlation
Item1	2.16	1.51	0.49	-0.86	0.90*	.21
Item2	2.76	1.75	-0.10	-1.42	0.88*	.20
Item3	3.34	1.43	-0.58	-0.77	0.88*	.18
Item4	1.30	1.31	1.93	2.92	0.62*	.32
Item5	3.95	1.56	-1.42	0.75	0.70*	.19
Item6	2.70	1.66	0.02	-1.33	0.90*	.18
Item7	2.23	1.28	0.60	-0.59	0.89*	.18
Item8	2.95	1.24	-0.19	-0.70	0.93*	-.07
Item9	2.92	1.09	-0.37	0.11	0.91*	.14
Item10	2.73	1.07	-0.03	-0.52	0.92*	.27
Item11	2.17	0.93	0.44	0.20	0.89*	.25
Item12	2.34	1.26	0.46	-0.58	0.91*	.24
Item13	2.71	1.49	0.14	-1.29	0.89*	.28
Item14	2.11	1.34	0.68	-0.78	0.84*	.24
Item15	3.26	1.11	-0.34	-0.21	0.91*	.11
Item16	1.46	1.31	1.71	1.90	0.65*	.33
Item17	1.43	1.30	1.76	2.12	0.64*	.30
Item18	0.92	0.67	2.00	9.41	0.62*	.32
Item19	0.85	0.56	1.71	10.74	0.55*	.34
Item20	0.83	0.54	1.76	13.92	0.53*	.31
Item21	0.94	0.75	2.46	10.66	0.58*	.27
Item22	3.57	1.08	-0.72	0.08	0.88*	.19
Item23	2.53	1.31	0.22	-0.91	0.92*	.11

Table 3 continued

	Mean	SD	Skew	Kurtosis	Shapiro-Wilk Statistics	Item-Total Correlation
Item24	4.13	1.01	-1.39	2.01	0.78*	.19
Item25	2.57	1.43	0.22	-1.23	0.88*	.17
Item26	2.23	1.30	0.59	-0.63	0.88*	.16
Item27	3.78	1.34	-1.01	0.08	0.82*	.18
Item28	3.75	1.16	-0.78	-0.10	0.86*	.01
Item29	2.38	1.40	0.20	-1.04	0.92*	.11
Item30	0.94	1.42	1.66	1.69	0.68*	.24
Item31	2.91	1.76	-0.24	-1.41	0.87*	.45
Item32	3.49	1.76	-0.71	-1.06	0.78*	.43
Item33	3.56	1.75	-0.79	-0.95	0.77*	.32
Item34	3.30	2.00	-0.54	-1.50	0.74*	.34
Item35	3.80	1.79	-1.07	-0.59	0.67*	.24
Item36	1.36	1.38	1.75	2.05	0.65*	.38
Item37	1.30	0.94	2.79	7.65	0.48*	-.01
Item38	4.27	1.18	-2.07	4.01	0.65*	.23
Item39	1.94	1.01	0.85	0.61	0.86*	.05
Item40	2.13	1.24	0.56	-0.54	0.89*	.16
Item41	0.87	1.08	1.68	2.74	0.73*	.21
Item42	3.90	1.55	-1.15	-0.12	0.72*	.17
Item43	1.59	1.23	1.59	1.70	0.69*	.22
Item44	3.46	1.41	-0.92	-0.01	0.86*	.38
Item45	2.04	1.66	0.46	-1.12	0.87*	.29
Item46	1.57	1.40	0.97	-0.07	0.82*	.38
Item47	2.07	1.23	0.59	-0.42	0.89*	.34

Table 3 continued

	Mean	SD	Skew	Kurtosis	Shapiro-Wilk Statistics	Item-Total Correlation
Item48	2.57	1.30	0.14	-0.74	0.93*	.31

Note. *p<.001

Table 4

Factor loadings and communality of the retained items in five factor solution

[Unmerged Responses]

item	PA1	PA2	PA5	PA3	PA4	Communality	Uniqueness
item19	0.99					1.007	-0.007
item20	0.91					0.874	0.126
item18	0.82					0.711	0.289
item21	0.8					0.683	0.317
item4	0.47					0.25	0.75
item11		0.83				0.687	0.313
item10		0.81				0.67	0.33
item12		0.56				0.371	0.629
item8		-0.44				0.206	0.794
item7		0.42				0.226	0.774
item9		0.33				0.115	0.885
item16			0.95			0.946	0.054
item17			0.74			0.595	0.405
item36	0.3		0.73			0.653	0.347
item3				0.85		0.746	0.254
item27				0.78		0.624	0.376
item40				0.71		0.512	0.488
item35					0.58	0.351	0.649
item48					0.57	0.354	0.646
item33					0.55	0.32	0.68
item47					0.52	0.294	0.706
item44					0.45	0.216	0.784

Table 4 continued

item	PA1	PA2	PA5	PA3	PA4	Communality	Uniqueness
item31					0.41	0.206	0.794
item38					0.33	0.129	0.871
% of Variance	0.15	0.09	0.09	0.08	0.08		

Note. Only loading higher than .30 is reported

Table 5

Factor loadings and communality of the retained items in six factor solution [Unmerged Responses]

item	PA1	PA2	PA3	PA4	PA6	PA5	Communality	Uniqueness
item19	0.98						0.995	0.005
item20	0.92						0.904	0.096
item21	0.79						0.666	0.334
item4	0.49						0.296	0.704
item43	0.32					0.31	0.282	0.718
item10		0.81					0.67	0.33
item11		0.81					0.668	0.332
item12		0.58					0.408	0.592
item8		-0.45					0.218	0.782
item7		0.42					0.229	0.771
item9		0.33					0.115	0.885
item3			0.85				0.731	0.269
item27			0.77				0.606	0.394
item40			0.72				0.533	0.467
item35				0.64			0.426	0.574
item33				0.62			0.413	0.587
item48				0.52			0.305	0.695
item47				0.48			0.259	0.741
item31				0.39			0.206	0.794
item38				0.32			0.18	0.82
item17					0.85		0.786	0.214
item16					0.78		0.681	0.319

Table 5 continued

item	PA1	PA2	PA3	PA4	PA6	PA5	Communality	Uniqueness
item13						0.57	0.336	0.664
item14						0.5	0.356	0.644
item15						0.48	0.277	0.723
item42						0.37	0.168	0.832
item26							0.064	0.936
% of Variance	0.11	0.08	0.07	0.06	0.06	0.05		

Note. Only loading higher than .30 is reported

Five Factor Solution [Unmerged Responses] (24 Items)

F1

I use light therapy applying a blue light box.

I use light therapy applying a light visor.

I use light therapy applying a white light box.

I use light therapy applying another form of light device.

I use an alarm with a dawn simulation light.

F2

I spend more than 3 hours per day (in total) outside.

I spend between 1 and 3 hours per day (in total) outside.

I spend as much time outside as possible.

I spend 30 minutes or less per day (in total) outside.

I go for a walk or exercise outside within 2 hours after waking up.

I spend between 30 minutes and 1 hour per day (in total) outside.

F3

I look at my mobile phone screen immediately after waking up.

I use my mobile phone within 1 hour before attempting to fall asleep.

I check my phone when I wake up at night.

F4

I use a blue-filter app on my computer screen within 1 hour before attempting to fall asleep.

I seek out knowledge on how to improve my light exposure.

I dim my computer screen within 1 hour before attempting to fall asleep.

I discuss the effects of light on my body with other people.

I modify my light environment to match my current needs.

I dim my room light within 1 hour before attempting to fall asleep.

Five Factor Solution [Unmerged Responses] (24 Items)

I use as little light as possible when I get up during the night.

F5

I wear blue-filtering, orange-tinted, and/or red-tinted glasses indoors during the day.

I wear blue-filtering, orange-tinted, and/or red-tinted glasses outdoors during the day.

I wear blue-filtering, orange-tinted, and/or red-tinted glasses within 1 hour before attempting to fall asleep.

Table 7

Geographical Location

	N = 690
__Time zone - Country__	
United States - America/New_York (UTC -04:00)	63 (9.1%)
United Kingdom - Europe/London (UTC)	57 (8.3%)
Germany - Europe/Berlin (UTC +01:00)	53 (7.7%)
India - Asia/Kolkata (UTC +05:30)	38 (5.5%)
United States - America/Los_Angeles (UTC -07:00)	37 (5.4%)
United States - America/Chicago (UTC -05:00)	30 (4.3%)
France - Europe/Paris (UTC +01:00)	22 (3.2%)
Switzerland - Europe/Zurich (UTC +01:00)	21 (3.0%)
Brazil - America/Sao_Paulo (UTC -03:00)	19 (2.8%)
Netherlands - Europe/Amsterdam (UTC +01:00)	19 (2.8%)
Canada - America/Toronto (UTC -04:00)	16 (2.3%)
Poland - Europe/Warsaw (UTC +01:00)	15 (2.2%)
Canada - America/Edmonton (UTC -06:00)	14 (2.0%)
Finland - Europe/Helsinki (UTC +02:00)	9 (1.3%)
Indonesia - Asia/Jakarta (UTC +07:00)	9 (1.3%)
Italy - Europe/Rome (UTC +01:00)	9 (1.3%)
Chile - America/Santiago (UTC -03:00)	8 (1.2%)
Russian Federation - Europe/Moscow (UTC +03:00)	8 (1.2%)
China - Asia/Shanghai (UTC +08:00)	7 (1.0%)
Malaysia - Asia/Kuala_Lumpur (UTC +08:00)	7 (1.0%)
Spain - Europe/Madrid (UTC +01:00)	7 (1.0%)

Table 7

Geographical Location (continued)

	N = 690
United States - America/Phoenix (UTC -07:00)	7 (1.0%)
Canada - America/Vancouver (UTC -07:00)	6 (0.9%)
New Zealand - Pacific/Auckland (UTC +13:00)	6 (0.9%)
Philippines - Asia/Manila (UTC +08:00)	6 (0.9%)
Turkey - Europe/Istanbul (UTC +03:00)	6 (0.9%)
United States - America/Denver (UTC -06:00)	6 (0.9%)
United States - America/Detroit (UTC -04:00)	6 (0.9%)
Argentina - America/Argentina/Buenos_Aires (UTC -03:00)	5 (0.7%)
Australia - Australia/Melbourne (UTC +11:00)	5 (0.7%)
Ireland - Europe/Dublin (UTC)	5 (0.7%)
Lithuania - Europe/Vilnius (UTC +02:00)	5 (0.7%)
South Africa - Africa/Johannesburg (UTC +02:00)	5 (0.7%)
Australia - Australia/Brisbane (UTC +10:00)	4 (0.6%)
Belgium - Europe/Brussels (UTC +01:00)	4 (0.6%)
Israel - Asia/Jerusalem (UTC +02:00)	4 (0.6%)
Sweden - Europe/Stockholm (UTC +01:00)	4 (0.6%)
United States - America/Boise (UTC -06:00)	4 (0.6%)
Czech Republic - Europe/Prague (UTC +01:00)	3 (0.4%)
Denmark - Europe/Copenhagen (UTC +01:00)	3 (0.4%)
Germany - Europe/Busingen (UTC +01:00)	3 (0.4%)
Greece - Europe/Athens (UTC +02:00)	3 (0.4%)

Table 7

Geographical Location (continued)

	N = 690
Iran	3 (0.4%)
Japan - Asia/Tokyo (UTC +09:00)	3 (0.4%)
Norway - Europe/Oslo (UTC +01:00)	3 (0.4%)
Romania - Europe/Bucharest (UTC +02:00)	3 (0.4%)
Serbia - Europe/Belgrade (UTC +01:00)	3 (0.4%)
Slovenia - Europe/Ljubljana (UTC +01:00)	3 (0.4%)
Taiwan	3 (0.4%)
United States - America/Anchorage (UTC -08:00)	3 (0.4%)
United States - America/Indiana/Indianapolis (UTC -04:00)	3 (0.4%)
United States - America/Kentucky/Louisville (UTC -04:00)	3 (0.4%)
Argentina - America/Argentina/Cordoba (UTC -03:00)	2 (0.3%)
Australia - Australia/Adelaide (UTC +10:30)	2 (0.3%)
Australia - Australia/Perth (UTC +08:00)	2 (0.3%)
Australia - Australia/Sydney (UTC +11:00)	2 (0.3%)
Brazil - America/Araguaina (UTC -03:00)	2 (0.3%)
Brazil - America/Bahia (UTC -03:00)	2 (0.3%)
Canada - America/Moncton (UTC -03:00)	2 (0.3%)
Colombia - America/Bogota (UTC -05:00)	2 (0.3%)
Costa Rica - America/Costa_Rica (UTC -06:00)	2 (0.3%)
Croatia - Europe/Zagreb (UTC +01:00)	2 (0.3%)

Table 7

Geographical Location (continued)

	N = 690
Ecuador - America/Guayaquil (UTC -05:00)	2 (0.3%)
Estonia - Europe/Tallinn (UTC +02:00)	2 (0.3%)
Hong Kong - Asia/Hong_Kong (UTC +08:00)	2 (0.3%)
Hungary - Europe/Budapest (UTC +01:00)	2 (0.3%)
Jordan - Asia/Amman (UTC +03:00)	2 (0.3%)
Latvia - Europe/Riga (UTC +02:00)	2 (0.3%)
Malaysia - Asia/Kuching (UTC +08:00)	2 (0.3%)
Mexico - America/Mexico_City (UTC -06:00)	2 (0.3%)
Nepal - Asia/Kathmandu (UTC +05:45)	2 (0.3%)
Portugal - Europe/Lisbon (UTC)	2 (0.3%)
Slovakia - Europe/Bratislava (UTC +01:00)	2 (0.3%)
Spain - Africa/Ceuta (UTC +01:00)	2 (0.3%)
Sudan - Africa/Khartoum (UTC +02:00)	2 (0.3%)
United States - America/Adak (UTC -09:00)	2 (0.3%)
United States - Pacific/Honolulu (UTC -10:00)	2 (0.3%)
Viet Nam - Asia/Ho_Chi_Minh (UTC +07:00),British - America/Tortola (UTC -04:00)	2 (0.3%)
Albania - Europe/Tirane (UTC +01:00)	1 (0.1%)
Argentina - America/Argentina/Jujuy (UTC -03:00)	1 (0.1%)
Australia - Antarctica/Macquarie (UTC +11:00)	1 (0.1%)
Australia - Australia/Darwin (UTC +09:30)	1 (0.1%)
Austria - Europe/Vienna (UTC +01:00)	1 (0.1%)

Table 7

Geographical Location (continued)

	N = 690
Bangladesh - Asia/Dhaka (UTC +06:00)	1 (0.1%)
Brazil - America/Cuiaba (UTC -04:00)	1 (0.1%)
Brazil - America/Fortaleza (UTC -03:00)	1 (0.1%)
Bulgaria - Europe/Sofia (UTC +02:00)	1 (0.1%)
Cameroon - Africa/Douala (UTC +01:00)	1 (0.1%)
Canada - America/Blanc-Sablon (UTC -04:00)	1 (0.1%)
Canada - America/Halifax (UTC -03:00)	1 (0.1%)
Canada - America/Resolute (UTC -05:00)	1 (0.1%)
Cayman Islands - America/Cayman (UTC -05:00)	1 (0.1%)
Chile - Pacific/Easter (UTC -05:00)	1 (0.1%)
Cyprus - Asia/Famagusta (UTC +02:00)	1 (0.1%)
Guatemala - America/Guatemala (UTC -06:00)	1 (0.1%)
Korea,Republic of - Asia/Seoul (UTC +09:00)	1 (0.1%)
Macedonia	1 (0.1%)
Martinique - America/Martinique (UTC -04:00)	1 (0.1%)
Mexico - America/Monterrey (UTC -06:00)	1 (0.1%)
Mongolia - Asia/Ulaanbaatar (UTC +08:00)	1 (0.1%)
Myanmar - Asia/Yangon (UTC +06:30)	1 (0.1%)
New Zealand - Pacific/Chatham (UTC +13:45)	1 (0.1%)
Nigeria - Africa/Lagos (UTC +01:00)	1 (0.1%)
Pakistan - Asia/Karachi (UTC +05:00)	1 (0.1%)
Panama - America/Panama (UTC -05:00)	1 (0.1%)

Table 7

Geographical Location (continued)

	N = 690
Russian Federation - Asia/Barnaul (UTC +07:00)	1 (0.1%)
Russian Federation - Asia/Novosibirsk (UTC +07:00)	1 (0.1%)
Russian Federation - Asia/Tomsk (UTC +07:00)	1 (0.1%)
Russian Federation - Asia/Vladivostok (UTC +10:00)	1 (0.1%)
Russian Federation - Asia/Yekaterinburg (UTC +05:00)	1 (0.1%)
Saudi Arabia - Asia/Riyadh (UTC +03:00)	1 (0.1%)
Singapore - Asia/Singapore (UTC +08:00)	1 (0.1%)
Spain - Atlantic/Canary (UTC)	1 (0.1%)
Tanzania	1 (0.1%)
Ukraine - Europe/Kiev (UTC +02:00)	1 (0.1%)
United States - America/Indiana/Tell_City (UTC -05:00)	1 (0.1%)
United States - America/North_Dakota/Center (UTC -05:00)	1 (0.1%)
United States - America/North_Dakota/New_Salem (UTC -05:00)	1 (0.1%)
Aland Islands - Europe/Mariehamn (UTC +02:00)	0 (0%)
Afghanistan - Asia/Kabul (UTC +04:30)	0 (0%)
Algeria - Africa/Algiers (UTC +01:00)	0 (0%)
American Samoa - Pacific/Pago_Pago (UTC -11:00)	0 (0%)
Andorra - Europe/Andorra (UTC +01:00)	0 (0%)
Angola - Africa/Luanda (UTC +01:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Anguilla - America/Anguilla (UTC -04:00)	0 (0%)
Antarctica - Antarctica/Casey (UTC +11:00)	0 (0%)
Antarctica - Antarctica/Davis (UTC +07:00)	0 (0%)
Antarctica - Antarctica/DumontDUrville (UTC +10:00)	0 (0%)
Antarctica - Antarctica/Mawson (UTC +05:00)	0 (0%)
Antarctica - Antarctica/McMurdo (UTC +13:00)	0 (0%)
Antarctica - Antarctica/Palmer (UTC -03:00)	0 (0%)
Antarctica - Antarctica/Rothera (UTC -03:00)	0 (0%)
Antarctica - Antarctica/Syowa (UTC +03:00)	0 (0%)
Antarctica - Antarctica/Troll (UTC)	0 (0%)
Antarctica - Antarctica/Vostok (UTC +06:00)	0 (0%)
Antigua and Barbuda - America/Antigua (UTC -04:00)	0 (0%)
Argentina - America/Argentina/Catamarca (UTC -03:00)	0 (0%)
Argentina - America/Argentina/La_Rioja (UTC -03:00)	0 (0%)
Argentina - America/Argentina/Mendoza (UTC -03:00)	0 (0%)
Argentina - America/Argentina/Rio_Gallegos (UTC -03:00)	0 (0%)
Argentina - America/Argentina/Salta (UTC -03:00)	0 (0%)
Argentina - America/Argentina/San_Juan (UTC -03:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Argentina - America/Argentina/San_Luis (UTC -03:00)	0 (0%)
Argentina - America/Argentina/Tucuman (UTC -03:00)	0 (0%)
Argentina - America/Argentina/Ushuaia (UTC -03:00)	0 (0%)
Armenia - Asia/Yerevan (UTC +04:00)	0 (0%)
Aruba - America/Aruba (UTC -04:00)	0 (0%)
Australia - Australia/Broken_Hill (UTC +10:30)	0 (0%)
Australia - Australia/Currie (UTC +11:00)	0 (0%)
Australia - Australia/Eucla (UTC +08:45)	0 (0%)
Australia - Australia/Hobart (UTC +11:00)	0 (0%)
Australia - Australia/Lindeman (UTC +10:00)	0 (0%)
Australia - Australia/Lord_Howe (UTC +11:00)	0 (0%)
Azerbaijan - Asia/Baku (UTC +04:00)	0 (0%)
Bahamas - America/Nassau (UTC -04:00)	0 (0%)
Bahrain - Asia/Bahrain (UTC +03:00)	0 (0%)
Barbados - America/Barbados (UTC -04:00)	0 (0%)
Belarus - Europe/Minsk (UTC +03:00)	0 (0%)
Belize - America/Belize (UTC -06:00)	0 (0%)
Benin - Africa/Porto-Novo (UTC +01:00)	0 (0%)
Bermuda - Atlantic/Bermuda (UTC -03:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Bhutan - Asia/Thimphu (UTC +06:00),Plurinational State of - America/La_Paz (UTC -04:00)	0 (0%)
Bolivia,Sint Eustatius and Saba - America/Kralendijk (UTC -04:00)	0 (0%)
Bonaire	0 (0%)
Bosnia and Herzegovina - Europe/Sarajevo (UTC +01:00)	0 (0%)
Botswana - Africa/Gaborone (UTC +02:00)	0 (0%)
Brazil - America/Belem (UTC -03:00)	0 (0%)
Brazil - America/Boa_Vista (UTC -04:00)	0 (0%)
Brazil - America/Campo_Grande (UTC -04:00)	0 (0%)
Brazil - America/Eirunepe (UTC -05:00)	0 (0%)
Brazil - America/Maceio (UTC -03:00)	0 (0%)
Brazil - America/Manaus (UTC -04:00)	0 (0%)
Brazil - America/Noronha (UTC -02:00)	0 (0%)
Brazil - America/Porto_Velho (UTC -04:00)	0 (0%)
Brazil - America/Recife (UTC -03:00)	0 (0%)
Brazil - America/Rio_Branco (UTC -05:00)	0 (0%)
Brazil - America/Santarem (UTC -03:00)	0 (0%)
British Indian Ocean Territory - Indian/Chagos (UTC +06:00)	0 (0%)
Brunei Darussalam - Asia/Brunei (UTC +08:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Burkina Faso - Africa/Ouagadougou (UTC)	0 (0%)
Burundi - Africa/Bujumbura (UTC +02:00)	0 (0%)
Cambodia - Asia/Phnom_Penh (UTC +07:00)	0 (0%)
Canada - America/Atikokan (UTC -05:00)	0 (0%)
Canada - America/Cambridge_Bay (UTC -06:00)	0 (0%)
Canada - America/Creston (UTC -07:00)	0 (0%)
Canada - America/Dawson (UTC -07:00)	0 (0%)
Canada - America/Dawson_Creek (UTC -07:00)	0 (0%)
Canada - America/Fort_Nelson (UTC -07:00)	0 (0%)
Canada - America/Glace_Bay (UTC -03:00)	0 (0%)
Canada - America/Goose_Bay (UTC -03:00)	0 (0%)
Canada - America/Inuvik (UTC -06:00)	0 (0%)
Canada - America/Iqaluit (UTC -04:00)	0 (0%)
Canada - America/Nipigon (UTC -04:00)	0 (0%)
Canada - America/Pangnirtung (UTC -04:00)	0 (0%)
Canada - America/Rainy_River (UTC -05:00)	0 (0%)
Canada - America/Rankin_Inlet (UTC -05:00)	0 (0%)
Canada - America/Regina (UTC -06:00)	0 (0%)
Canada - America/St_Johns (UTC -02:30)	0 (0%)
Canada - America/Swift_Current (UTC -06:00)	0 (0%)
Canada - America/Thunder_Bay (UTC -04:00)	0 (0%)
Canada - America/Whitehorse (UTC -07:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Canada - America/Winnipeg (UTC -05:00)	0 (0%)
Canada - America/Yellowknife (UTC -06:00)	0 (0%)
Cape Verde - Atlantic/Cape_Verde (UTC -01:00)	0 (0%)
Central African Republic - Africa/Bangui (UTC +01:00)	0 (0%)
Chad - Africa/Ndjamena (UTC +01:00)	0 (0%)
Chile - America/Punta_Arenas (UTC -03:00)	0 (0%)
China - Asia/Urumqi (UTC +06:00)	0 (0%)
Christmas Island - Indian/Christmas (UTC +07:00)	0 (0%)
Cocos (Keeling) Islands - Indian/Cocos (UTC +06:30)	0 (0%)
Comoros - Indian/Comoro (UTC +03:00)	0 (0%)
Congo - Africa/Brazzaville (UTC +01:00),the Democratic Republic of the - Africa/Kinshasa (UTC +01:00)	0 (0%)
Congo,the Democratic Republic of the - Africa/Lubumbashi (UTC +02:00)	0 (0%)
Congo	0 (0%)
Cook Islands - Pacific/Rarotonga (UTC -10:00)	0 (0%)
Cuba - America/Havana (UTC -04:00)	0 (0%)
Curaçao - America/Curacao (UTC -04:00)	0 (0%)
Cyprus - Asia/Nicosia (UTC +02:00)	0 (0%)
Côte dIvoire - Africa/Abidjan (UTC)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Djibouti - Africa/Djibouti (UTC +03:00)	0 (0%)
Dominica - America/Dominica (UTC -04:00)	0 (0%)
Dominican Republic - America/Santo_Domingo (UTC -04:00)	0 (0%)
Ecuador - Pacific/Galapagos (UTC -06:00)	0 (0%)
Egypt - Africa/Cairo (UTC +02:00)	0 (0%)
El Salvador - America/El_Salvador (UTC -06:00)	0 (0%)
Equatorial Guinea - Africa/Malabo (UTC +01:00)	0 (0%)
Eritrea - Africa/Asmara (UTC +03:00)	0 (0%)
Ethiopia - Africa/Addis_Ababa (UTC +03:00)	0 (0%)
Falkland Islands (Malvinas) - Atlantic/Stanley (UTC -03:00)	0 (0%)
Faroe Islands - Atlantic/Faroe (UTC)	0 (0%)
Fiji - Pacific/Fiji (UTC +12:00)	0 (0%)
French Guiana - America/Cayenne (UTC -03:00)	0 (0%)
French Polynesia - Pacific/Gambier (UTC -09:00)	0 (0%)
French Polynesia - Pacific/Marquesas (UTC -09:30)	0 (0%)
French Polynesia - Pacific/Tahiti (UTC -10:00)	0 (0%)
French Southern Territories - Indian/Kerguelen (UTC +05:00)	0 (0%)
Gabon - Africa/Libreville (UTC +01:00)	0 (0%)
Gambia - Africa/Banjul (UTC)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Georgia - Asia/Tbilisi (UTC +04:00)	0 (0%)
Ghana - Africa/Accra (UTC)	0 (0%)
Gibraltar - Europe/Gibraltar (UTC +01:00)	0 (0%)
Greenland - America/Danmarkshavn (UTC)	0 (0%)
Greenland - America/Nuuk (UTC -03:00)	0 (0%)
Greenland - America/Scoresbysund (UTC -01:00)	0 (0%)
Greenland - America/Thule (UTC -03:00)	0 (0%)
Grenada - America/Grenada (UTC -04:00)	0 (0%)
Guadeloupe - America/Guadeloupe (UTC -04:00)	0 (0%)
Guam - Pacific/Guam (UTC +10:00)	0 (0%)
Guernsey - Europe/Guernsey (UTC)	0 (0%)
Guinea - Africa/Conakry (UTC)	0 (0%)
Guinea-Bissau - Africa/Bissau (UTC)	0 (0%)
Guyana - America/Guyana (UTC -04:00)	0 (0%)
Haiti - America/Port-au-Prince (UTC -04:00)	0 (0%)
Holy See (Vatican City State) - Europe/Vatican (UTC +01:00)	0 (0%)
Honduras - America/Tegucigalpa (UTC -06:00)	0 (0%)
Iceland - Atlantic/Reykjavik (UTC)	0 (0%)
Indonesia - Asia/Jayapura (UTC +09:00)	0 (0%)
Indonesia - Asia/Makassar (UTC +08:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Indonesia - Asia/Pontianak (UTC +07:00),Islamic Republic of - Asia/Tehran (UTC +03:30)	0 (0%)
Iraq - Asia/Baghdad (UTC +03:00)	0 (0%)
Isle of Man - Europe/Isle_of_Man (UTC)	0 (0%)
Jamaica - America/Jamaica (UTC -05:00)	0 (0%)
Jersey - Europe/Jersey (UTC)	0 (0%)
Kazakhstan - Asia/Almaty (UTC +06:00)	0 (0%)
Kazakhstan - Asia/Aqtau (UTC +05:00)	0 (0%)
Kazakhstan - Asia/Aqtobe (UTC +05:00)	0 (0%)
Kazakhstan - Asia/Atyrau (UTC +05:00)	0 (0%)
Kazakhstan - Asia/Oral (UTC +05:00)	0 (0%)
Kazakhstan - Asia/Qostanay (UTC +06:00)	0 (0%)
Kazakhstan - Asia/Qyzylorda (UTC +05:00)	0 (0%)
Kenya - Africa/Nairobi (UTC +03:00)	0 (0%)
Kiribati - Pacific/Enderbury (UTC +13:00)	0 (0%)
Kiribati - Pacific/Kiritimati (UTC +14:00)	0 (0%)
Kiribati - Pacific/Tarawa (UTC +12:00),Democratic Peoples Republic of - Asia/Pyongyang (UTC +09:00)	0 (0%)
Korea	0 (0%)
Kuwait - Asia/Kuwait (UTC +03:00)	0 (0%)
Kyrgyzstan - Asia/Bishkek (UTC +06:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Lao Peoples Democratic Republic - Asia/Vientiane (UTC +07:00)	0 (0%)
Lebanon - Asia/Beirut (UTC +02:00)	0 (0%)
Lesotho - Africa/Maseru (UTC +02:00)	0 (0%)
Liberia - Africa/Monrovia (UTC)	0 (0%)
Libya - Africa/Tripoli (UTC +02:00)	0 (0%)
Liechtenstein - Europe/Vaduz (UTC +01:00)	0 (0%)
Luxembourg - Europe/Luxembourg (UTC +01:00)	0 (0%)
Macao - Asia/Macau (UTC +08:00),the Former Yugoslav Republic of - Europe/Skopje (UTC +01:00)	0 (0%)
Madagascar - Indian/Antananarivo (UTC +03:00)	0 (0%)
Malawi - Africa/Blantyre (UTC +02:00)	0 (0%)
Maldives - Indian/Maldives (UTC +05:00)	0 (0%)
Mali - Africa/Bamako (UTC)	0 (0%)
Malta - Europe/Malta (UTC +01:00)	0 (0%)
Marshall Islands - Pacific/Kwajalein (UTC +12:00)	0 (0%)
Marshall Islands - Pacific/Majuro (UTC +12:00)	0 (0%)
Mauritania - Africa/Nouakchott (UTC)	0 (0%)
Mauritius - Indian/Mauritius (UTC +04:00)	0 (0%)
Mayotte - Indian/Mayotte (UTC +03:00)	0 (0%)
Mexico - America/Bahia_Banderas (UTC -06:00)	0 (0%)
Mexico - America/Cancun (UTC -05:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Mexico - America/Chihuahua (UTC -07:00)	0 (0%)
Mexico - America/Hermosillo (UTC -07:00)	0 (0%)
Mexico - America/Matamoros (UTC -05:00)	0 (0%)
Mexico - America/Mazatlan (UTC -07:00)	0 (0%)
Mexico - America/Merida (UTC -06:00)	0 (0%)
Mexico - America/Ojinaga (UTC -06:00)	0 (0%)
Mexico - America/Tijuana (UTC -07:00),Federated States of - Pacific/Chuuk (UTC +10:00)	0 (0%)
Micronesia,Federated States of - Pacific/Kosrae (UTC +11:00)	0 (0%)
Micronesia,Federated States of - Pacific/Pohnpei (UTC +11:00)	0 (0%)
Micronesia,Republic of - Europe/Chisinau (UTC +02:00)	0 (0%)
Moldova	0 (0%)
Monaco - Europe/Monaco (UTC +01:00)	0 (0%)
Mongolia - Asia/Choibalsan (UTC +08:00)	0 (0%)
Mongolia - Asia/Hovd (UTC +07:00)	0 (0%)
Montenegro - Europe/Podgorica (UTC +01:00)	0 (0%)
Montserrat - America/Montserrat (UTC -04:00)	0 (0%)
Morocco - Africa/Casablanca (UTC +01:00)	0 (0%)
Mozambique - Africa/Maputo (UTC +02:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Namibia - Africa/Windhoek (UTC +02:00)	0 (0%)
Nauru - Pacific/Nauru (UTC +12:00)	0 (0%)
New Caledonia - Pacific/Noumea (UTC +11:00)	0 (0%)
Nicaragua - America/Managua (UTC -06:00)	0 (0%)
Niger - Africa/Niamey (UTC +01:00)	0 (0%)
Niue - Pacific/Niue (UTC -11:00)	0 (0%)
Norfolk Island - Pacific/Norfolk (UTC +12:00)	0 (0%)
Northern Mariana Islands - Pacific/Saipan (UTC +10:00)	0 (0%)
Oman - Asia/Muscat (UTC +04:00)	0 (0%)
Palau - Pacific/Palau (UTC +09:00),State of - Asia/Gaza (UTC +02:00)	0 (0%)
Palestine,State of - Asia/Hebron (UTC +02:00)	0 (0%)
Palestine	0 (0%)
Papua New Guinea - Pacific/Bougainville (UTC +11:00)	0 (0%)
Papua New Guinea - Pacific/Port_Moresby (UTC +10:00)	0 (0%)
Paraguay - America/Asuncion (UTC -03:00)	0 (0%)
Peru - America/Lima (UTC -05:00)	0 (0%)
Pitcairn - Pacific/Pitcairn (UTC -08:00)	0 (0%)
Portugal - Atlantic/Azores (UTC -01:00)	0 (0%)
Portugal - Atlantic/Madeira (UTC)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Puerto Rico - America/Puerto_Rico (UTC -04:00)	0 (0%)
Qatar - Asia/Qatar (UTC +03:00)	0 (0%)
Russian Federation - Asia/Anadyr (UTC +12:00)	0 (0%)
Russian Federation - Asia/Chita (UTC +09:00)	0 (0%)
Russian Federation - Asia/Irkutsk (UTC +08:00)	0 (0%)
Russian Federation - Asia/Kamchatka (UTC +12:00)	0 (0%)
Russian Federation - Asia/Khandyga (UTC +09:00)	0 (0%)
Russian Federation - Asia/Krasnoyarsk (UTC +07:00)	0 (0%)
Russian Federation - Asia/Magadan (UTC +11:00)	0 (0%)
Russian Federation - Asia/Novokuznetsk (UTC +07:00)	0 (0%)
Russian Federation - Asia/Omsk (UTC +06:00)	0 (0%)
Russian Federation - Asia/Sakhalin (UTC +11:00)	0 (0%)
Russian Federation - Asia/Srednekolymsk (UTC +11:00)	0 (0%)
Russian Federation - Asia/Ust-Nera (UTC +10:00)	0 (0%)
Russian Federation - Asia/Yakutsk (UTC +09:00)	0 (0%)
Russian Federation - Europe/Astrakhan (UTC +04:00)	0 (0%)
Russian Federation - Europe/Kaliningrad (UTC +02:00)	0 (0%)
Russian Federation - Europe/Kirov (UTC +03:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Russian Federation - Europe/Samara (UTC +04:00)	0 (0%)
Russian Federation - Europe/Saratov (UTC +04:00)	0 (0%)
Russian Federation - Europe/Ulyanovsk (UTC +04:00)	0 (0%)
Russian Federation - Europe/Volgograd (UTC +04:00)	0 (0%)
Rwanda - Africa/Kigali (UTC +02:00)	0 (0%)
Réunion - Indian/Reunion (UTC +04:00)	0 (0%)
Saint Barthélemy - America/St_Barthelemy (UTC -04:00),Ascension and Tristan da Cunha - Atlantic/St_Helena (UTC)	0 (0%)
Saint Helena	0 (0%)
Saint Kitts and Nevis - America/St_Kitts (UTC -04:00)	0 (0%)
Saint Lucia - America/St_Lucia (UTC -04:00)	0 (0%)
Saint Martin (French part) - America/Marigot (UTC -04:00)	0 (0%)
Saint Pierre and Miquelon - America/Miquelon (UTC -02:00)	0 (0%)
Saint Vincent and the Grenadines - America/St_Vincent (UTC -04:00)	0 (0%)
Samoa - Pacific/Apia (UTC +14:00)	0 (0%)
San Marino - Europe/San_Marino (UTC +01:00)	0 (0%)
Sao Tome and Principe - Africa/Sao_Tome (UTC)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Senegal - Africa/Dakar (UTC)	0 (0%)
Seychelles - Indian/Mahe (UTC +04:00)	0 (0%)
Sierra Leone - Africa/Freetown (UTC)	0 (0%)
Sint Maarten (Dutch part) - America/Lower_Princes (UTC -04:00)	0 (0%)
Solomon Islands - Pacific/Guadalcanal (UTC +11:00)	0 (0%)
Somalia - Africa/Mogadishu (UTC +03:00)	0 (0%)
South Georgia and the South Sandwich Islands - Atlantic/South_Georgia (UTC -02:00)	0 (0%)
South Sudan - Africa/Juba (UTC +03:00)	0 (0%)
Sri Lanka - Asia/Colombo (UTC +05:30)	0 (0%)
Suriname - America/Paramaribo (UTC -03:00)	0 (0%)
Svalbard and Jan Mayen - Arctic/Longyearbyen (UTC +01:00)	0 (0%)
Swaziland - Africa/Mbabane (UTC +02:00)	0 (0%)
Syrian Arab Republic - Asia/Damascus (UTC +03:00),Province of China - Asia/Taipei (UTC +08:00)	0 (0%)
Tajikistan - Asia/Dushanbe (UTC +05:00),United Republic of - Africa/Dar_es_Salaam (UTC +03:00)	0 (0%)
Thailand - Asia/Bangkok (UTC +07:00)	0 (0%)
Timor-Leste - Asia/Dili (UTC +09:00)	0 (0%)
Togo - Africa/Lome (UTC)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
Tokelau - Pacific/Fakaofo (UTC +13:00)	0 (0%)
Tonga - Pacific/Tongatapu (UTC +13:00)	0 (0%)
Trinidad and Tobago - America/Port_of_Spain (UTC -04:00)	0 (0%)
Tunisia - Africa/Tunis (UTC +01:00)	0 (0%)
Turkmenistan - Asia/Ashgabat (UTC +05:00)	0 (0%)
Turks and Caicos Islands - America/Grand_Turk (UTC -04:00)	0 (0%)
Tuvalu - Pacific/Funafuti (UTC +12:00)	0 (0%)
Uganda - Africa/Kampala (UTC +03:00)	0 (0%)
Ukraine - Europe/Simferopol (UTC +03:00)	0 (0%)
Ukraine - Europe/Uzhgorod (UTC +02:00)	0 (0%)
Ukraine - Europe/Zaporozhye (UTC +02:00)	0 (0%)
United Arab Emirates - Asia/Dubai (UTC +04:00)	0 (0%)
United States - America/Indiana/Knox (UTC -05:00)	0 (0%)
United States - America/Indiana/Marengo (UTC -04:00)	0 (0%)
United States - America/Indiana/Petersburg (UTC -04:00)	0 (0%)
United States - America/Indiana/Vevay (UTC -04:00)	0 (0%)
United States - America/Indiana/Vincennes (UTC -04:00)	0 (0%)

Table 7

Geographical Location (continued)

	N = 690
United States - America/Indiana/Winamac (UTC -04:00)	0 (0%)
United States - America/Juneau (UTC -08:00)	0 (0%)
United States - America/Kentucky/Monticello (UTC -04:00)	0 (0%)
United States - America/Menominee (UTC -05:00)	0 (0%)
United States - America/Metlakatla (UTC -08:00)	0 (0%)
United States - America/Nome (UTC -08:00)	0 (0%)
United States - America/North_Dakota/Beulah (UTC -05:00)	0 (0%)
United States - America/Sitka (UTC -08:00)	0 (0%)
United States - America/Yakutat (UTC -08:00)	0 (0%)
United States Minor Outlying Islands - Pacific/Midway (UTC -11:00)	0 (0%)
United States Minor Outlying Islands - Pacific/Wake (UTC +12:00)	0 (0%)
Uruguay - America/Montevideo (UTC -03:00)	0 (0%)
Uzbekistan - Asia/Samarkand (UTC +05:00)	0 (0%)
Uzbekistan - Asia/Tashkent (UTC +05:00)	0 (0%)
Vanuatu - Pacific/Efate (UTC +11:00),Bolivarian Republic of - America/Caracas (UTC -04:00)	0 (0%)
Venezuela	0 (0%)

Table 7

Geographical Location (continued)

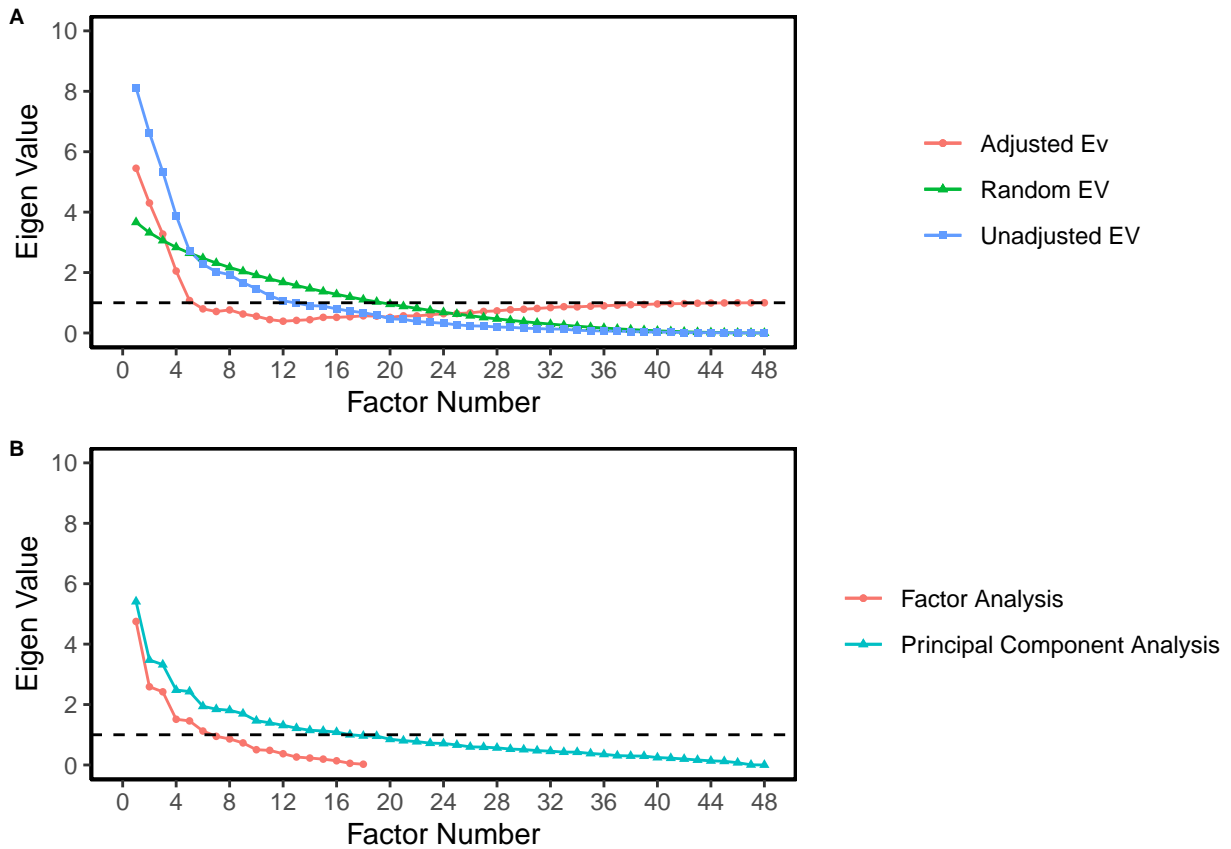|	**N = 690**
Virgin Islands,U.S. - America/St_Thomas (UTC -04:00)	0 (0%)
Virgin Islands	0 (0%)
Wallis and Futuna - Pacific/Wallis (UTC +12:00)	0 (0%)
Western Sahara - Africa/El_Aaiun (UTC +01:00)	0 (0%)
Yemen - Asia/Aden (UTC +03:00)	0 (0%)
Zambia - Africa/Lusaka (UTC +02:00)	0 (0%)
Zimbabwe - Africa/Harare (UTC +02:00)	0 (0%)

Figure 1. Factor Identification (A) Parallel analysis (B) Scree Plot [Unmerged response options]