

National Longitudinal Study of Adolescent Health

Wave I Climate Data Codebook

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Persons interested in obtaining data files from Add Health should contact Add Health, Carolina Population Center, 123 W. Franklin Street, Chapel Hill, NC 27516-2524 (addhealth@unc.edu).

Add Health Wave I Climate

Filename: w1climat.xpt

Description

The purpose of the climate dataset is to provide a set of variables that indicate the broad, general weather conditions that could affect the physical activity choices of Wave I respondents. This file contains climate data for each Wave I respondent based on the nearest climate station with data for each variable of interest. If the climate station nearest to the respondent had no data for the variable of interest, the respondent was assigned the next station with data for the desired variable. January, July, and annual means were collected for each variable.

The climate data (variables and climate station locations) were culled from a data file that provides information from a number of climate stations for the period 1961 to 1990 and provides monthly averages for each station for that time period. The chosen climate variables correspond closely to the variables collected in the weather dataset, which are focused on the specific weather pattern during the time of survey. The variables that were extracted are as follows:

Variable Description

Mean Total Precipitation
Mean Total Snowfall
Mean Sky Cover (Sunrise to Sunset)
Mean Sunshine Total Hours
Mean Daily Maximum Temperature
Mean Daily Minimum Temperature
Mean Number of Days with Temperature $\geq 90^{\circ}$ F
Mean Number of Days with Temperature $\leq 32^{\circ}$ F

Note: There were 278 respondents for whom the nearest climate station for the mean total snowfall was beyond a reasonable distance to provide representative data (> 100 km). These respondents were assigned mean total snowfall values of 99999 to indicate that data are not available.

Variable Listing

Variable Name	Variable Label and Description
W1CL1_1	Mean total precipitation, January <ul style="list-style-type: none"> Reported in inches
W1CL1_7	Mean total precipitation, July <ul style="list-style-type: none"> Reported in inches
W1CL1_A	Mean total precipitation, annually <ul style="list-style-type: none"> Reported in inches
W1CL2_1	Mean total snowfall, January <ul style="list-style-type: none"> Reported in inches
W1CL2_7	Mean total snowfall, July <ul style="list-style-type: none"> Reported in inches
W1CL2_A	Mean total snowfall, annually <ul style="list-style-type: none"> Reported in inches
W1CL3_1	Mean daytime sky cover, January <ul style="list-style-type: none"> Reported as percent sky cover
W1CL3_7	Mean daytime sky cover, July <ul style="list-style-type: none"> Reported as percent sky cover
W1CL3_A	Mean daytime sky cover, annually <ul style="list-style-type: none"> Reported as percent sky cover
W1CL4_1	Mean sunshine total hours, January <ul style="list-style-type: none"> Reported as mean monthly hours
W1CL4_7	Mean sunshine total hours, July <ul style="list-style-type: none"> Reported as mean monthly hours
W1CL4_A	Mean sunshine total hours, annually <ul style="list-style-type: none"> Reported as mean monthly hours
W1CL5_1	Mean daily maximum temperature, January <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W1CL5_7	Mean daily maximum temperature, July <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W1CL5_A	Mean daily maximum temperature, annually <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W1CL6_1	Mean daily minimum temperature, January <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W1CL6_7	Mean daily minimum temperature, July <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W1CL6_A	Mean daily minimum temperature, annually <ul style="list-style-type: none"> Reported in degrees Fahrenheit
W1CL7_1	Mean number of days maximum temperature ≥ 90 F, January
W1CL7_7	Mean number of days maximum temperature ≥ 90 F, July
W1CL7_A	Mean number of days maximum temperature ≥ 90 F, annually
W1CL8_1	Mean number of days minimum temperature ≤ 32 F, January
W1CL8_7	Mean number of days minimum temperature ≤ 32 F, July
W1CL8_A	Mean number of days minimum temperature ≤ 32 F, annually

Wave I Climate Data

Wave I Climate Data

AID		Str 8	Respondent Identifier NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1	0.0%	10316654	
1	0.0%	10316952	
1	0.0%	10506342	
1	0.0%	10570810	
1	0.0%	10606128	
20735	100.0%	10676355-99886994	NOTE: Range of values omitted from display
1	0.0%	99886995	
1	0.0%	99886996	
1	0.0%	99886997	
1	0.0%	99886998	
1	0.0%	99886999	

W1CL1_1		Num 8	Mean Total Precipitation, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
19	0.1%	.27	
1	0.0%	.28	
277	1.3%	.29	
1	0.0%	.3	
11	0.1%	.32	
20417	98.4%	.33-7.5	NOTE: Range of values omitted from display
2	0.0%	8.4	

14	0.1%	8.529999999999999	
1	0.0%	8.960000000000001	
1	0.0%	9.1	
1	0.0%	13.7	

W1CL1_7		Num 8	Mean Total Precipitation, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
6	0.0%	0	
2316	11.2%	.01	
50	0.2%	.02	
8	0.0%	.03	
219	1.1%	.04	
17843	86.0%	.05-7.28	NOTE: Range of values omitted from display
24	0.1%	7.31	
2	0.0%	7.4	
1	0.0%	7.47	
1	0.0%	7.64	
275	1.3%	8.82	

W1CL1_A		Num 8	Mean Total Precipitation, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
58	0.3%	3.11	
96	0.5%	3.17	
8	0.0%	3.66	
112	0.5%	4.13	
113	0.5%	4.42	

20294	97.8%	4.46-68.72	NOTE: Range of values omitted from display
30	0.1%	69.90000000000001	
27	0.1%	70.56999999999999	
4	0.0%	72.2	
2	0.0%	90	
1	0.0%	91	

W1CL2_1		Num 8	Mean Total Snowfall, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
5171	24.9%	0	0
1055	5.1%	.1	.1
1156	5.6%	.2	.2
144	0.7%	.3	.3
497	2.4%	.4	.4
12331	59.4%	.5-29.8	NOTE: Range of values omitted from display
2	0.0%	32.6	32.6
3	0.0%	33.7	33.7
107	0.5%	38.5	38.5
1	0.0%	42.1	42.1
278	1.3%	99999	Data Not Available

W1CL2_7		Num 4	Mean Total Snowfall, July
Frequency	Percent	Value	Label
20467	98.7%	0	0
278	1.3%	99999	Data Not Available

W1CL2_A		Num 8	Mean Total Snowfall, Annually NOTE: Smallest 5 and largest 5 values are displayed.
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Frequency	Percent	Value	Label
4627	22.3%	0	0
711	3.4%	.1	.1
272	1.3%	.2	.2
90	0.4%	.3	.3
709	3.4%	.4	.4
13944	67.2%	.5-105.3	NOTE: Range of values omitted from display
3	0.0%	110.1	110.1
3	0.0%	119.2	119.2
1	0.0%	124	124
107	0.5%	150.9	150.9
278	1.3%	99999	Data Not Available

W1CL3_1		Num 1	Mean Daytime Sky Cover, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
358	1.7%	45	
230	1.1%	47	
266	1.3%	51	
2314	11.2%	52	
713	3.4%	54	
15365	74.1%	55-81	NOTE: Range of values omitted from display
56	0.3%	82	
3	0.0%	83	
1145	5.5%	84	
289	1.4%	85	
6	0.0%	87	

W1CL3_7		Num 1	Mean Daytime Sky Cover, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
195	0.9%	13	
14	0.1%	14	
238	1.1%	28	
230	1.1%	29	
5	0.0%	30	
19156	92.3%	31-66	NOTE: Range of values omitted from display
524	2.5%	67	
1	0.0%	68	
73	0.4%	72	
217	1.0%	73	
92	0.4%	84	

W1CL3_A		Num 1	Mean Daytime Sky Cover, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
162	0.8%	30	
673	3.2%	36	
196	0.9%	38	
195	0.9%	42	
233	1.1%	43	
17246	83.1%	45-70	NOTE: Range of values omitted from display
301	1.5%	71	
299	1.4%	72	
1131	5.5%	73	
217	1.0%	74	

92	0.4%	80	
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W1CL4_1		Num 2	Mean Sunshine Total Hours, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
289	1.4%	86	
227	1.1%	88	
92	0.4%	92	
236	1.1%	94	
1189	5.7%	101	
15645	75.4%	103-220	NOTE: Range of values omitted from display
313	1.5%	231	
2166	10.4%	239	
230	1.1%	245	
196	0.9%	260	
162	0.8%	268	

W1CL4_7		Num 2	Mean Sunshine Total Hours, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
92	0.4%	145	
224	1.1%	247	
458	2.2%	255	
912	4.4%	257	
278	1.3%	258	
17200	82.9%	260-383	NOTE: Range of values omitted from display
230	1.1%	391	
162	0.8%	393	

5	0.0%	400	
219	1.1%	428	
965	4.7%	440	

W1CL4_A		Num 2	Mean Sunshine Total Hours, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
92	0.4%	1488	
224	1.1%	1971	
236	1.1%	2021	
206	1.0%	2120	
269	1.3%	2183	
17946	86.5%	2189-3462	NOTE: Range of values omitted from display
219	1.1%	3564	
965	4.7%	3608	
196	0.9%	3806	
230	1.1%	3825	
162	0.8%	4015	

W1CL5_1		Num 8	Mean Daily Maximum Temperature, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
27	0.1%	15.8	
175	0.8%	17.4	
182	0.9%	20.2	
18	0.1%	20.5	
1	0.0%	23.5	
19998	96.4%	24.7-75.2	NOTE: Range of values omitted from display

63	0.3%	75.7	
3	0.0%	76.09999999999999	
1	0.0%	76.5	
1	0.0%	77.09999999999999	
276	1.3%	77.90000000000001	

W1CL5_7		Num 8	Mean Daily Maximum Temperature, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
16	0.1%	70	
2	0.0%	70.09999999999999	
176	0.8%	70.8	
219	1.1%	71	
1	0.0%	71.3	
19944	96.1%	72.90000000000001-101.8	NOTE: Range of values omitted from display
58	0.3%	105.5	
112	0.5%	105.9	
8	0.0%	106.2	
96	0.5%	106.6	
113	0.5%	107.5	

W1CL5_A		Num 8	Mean Daily Maximum Temperature, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
176	0.8%	49.8	
1	0.0%	50.4	
26	0.1%	51.3	
1	0.0%	52	

19	0.1%	52.3	
20354	98.1%	52.4-83.8	NOTE: Range of values omitted from display
3	0.0%	83.90000000000001	
3	0.0%	84.40000000000001	
8	0.0%	86.90000000000001	
58	0.3%	87.5	
96	0.5%	87.90000000000001	

W1CL6_1		Num 8	Mean Daily Minimum Temperature, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
25	0.1%	-6.3	
1	0.0%	-6.2	
1	0.0%	-4.9	
175	0.8%	-4	
1	0.0%	-3.1	
19618	94.6%	-3-56.8	NOTE: Range of values omitted from display
1	0.0%	57.9	
1	0.0%	59	
487	2.3%	59.2	
159	0.8%	62.3	
276	1.3%	65.3	

W1CL6_7		Num 8	Mean Daily Minimum Temperature, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
176	0.8%	40.2	
19	0.1%	45.9	
5	0.0%	46.9	

1	0.0%	48	
8	0.0%	49.8	
19546	94.2%	50.2-75.09999999999999	NOTE: Range of values omitted from display
128	0.6%	76	
599	2.9%	76.2	
159	0.8%	78.2	
8	0.0%	80.40000000000001	
96	0.5%	80.7	

W1CL6_A		Num 8	Mean Daily Minimum Temperature, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
176	0.8%	20.9	
19	0.1%	22.6	
1	0.0%	25.7	
5	0.0%	26.2	
8	0.0%	27.8	
19550	94.2%	28.1-64.2	NOTE: Range of values omitted from display
63	0.3%	67.09999999999999	
1	0.0%	67.5	
487	2.3%	69	
276	1.3%	70	
159	0.8%	71.2	

W1CL7_1		Num 1	Mean Number Days Maximum Temperature >= 90 F, January
Frequency	Percent	Value	Label
20745	100.0%	0	

W1CL7_7		Num 1	Mean Number Days Maximum Temperature >= 90 F, July NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
935	4.5%	0	
1737	8.4%	1	
993	4.8%	2	
2062	9.9%	3	
1086	5.2%	4	
12342	59.5%	5-26	NOTE: Range of values omitted from display
937	4.5%	27	
65	0.3%	28	
24	0.1%	29	
273	1.3%	30	
291	1.4%	31	

W1CL7_A		Num 2	Mean Number Days Maximum Temperature >= 90 F, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
474	2.3%	0	
3	0.0%	1	
1	0.0%	2	
42	0.2%	3	
657	3.2%	4	
19403	93.5%	5-152	NOTE: Range of values omitted from display
3	0.0%	155	
8	0.0%	170	
1	0.0%	171	
57	0.3%	172	

96	0.5%	175	
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W1CL8_1		Num 1	Mean Number Days Minimum Temperature <= 32 F, January NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
3153	15.2%	0	
296	1.4%	1	
13	0.1%	2	
16	0.1%	3	
85	0.4%	4	
10447	50.4%	5-26	NOTE: Range of values omitted from display
1386	6.7%	27	
1861	9.0%	28	
1626	7.8%	29	
987	4.8%	30	
875	4.2%	31	

W1CL8_7		Num 1	Mean Number Days Minimum Temperature <= 32 F, July
Frequency	Percent	Value	Label
20569	99.2%	0	
176	0.8%	1	

W1CL8_A		Num 2	Mean Number Days Minimum Temperature <= 32 F, Annually NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1200	5.8%	0	
1953	9.4%	1	
295	1.4%	2	
4	0.0%	3	

9	0.0%	4	
17082	82.3%	5-206	NOTE: Range of values omitted from display
1	0.0%	211	
1	0.0%	212	
5	0.0%	218	
19	0.1%	233	
176	0.8%	257	