

National Longitudinal Study of Adolescent Health

Wave I Weather Data Codebook

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October 2008

This research was funded by National Institutes of Health (National Institute of Child Health and Human Development grants R01 HD39183, R01 HD041375, and K01 HD044263; National Institute of Diabetes and Digestive and Kidney Diseases grant DK56350; and National Institute on Environmental Health Sciences grant P30ES10126), National Institute of Aging NIA: K07 AG001015 and P30 AG024376; and a cooperative agreement with the Centers for Disease Control and Prevention (CDC SIP No. 5-00).

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 Weather

Filename: w1weath.xpt

Description

This file contains weather data for each Add Health Wave I respondent based on the nearest weather station reporting data for the corresponding survey month and year.

The data were extracted from a file that consists of a number of meteorological variables summarized on a monthly time scale. The data come primarily from the cooperative network, but also include observations from the principal meteorological stations operated by the National Weather Service. The variables extracted for Add Health are as follows:

Number of Days with Minimum Temperature ≤ 32 F
Number of Days with Maximum Temperature ≥ 90 F
Monthly Mean Minimum Temperature
Monthly Mean Maximum Temperature
Monthly Mean Temperature
Total Monthly Precipitation
Total Monthly Snowfall

The survey date information was used to query the weather station data table for stations that have data during the month that the survey was undertaken. A shortest distance routine was then performed to determine the station nearest to each respondent that had weather data for the variable of interest during the time period of interest. A station without data for a particular variable was ignored while collecting data for that variable, but may have provided data for other variables if it was the closest reporting station to a respondent.

Variable Listing

Variable Name	Variable Label and Description
W1WR1	Number of days with minimum temperature ≤ 32 F
W1WR2	Number of days with maximum temperature ≥ 90 F
W1WR3	Monthly mean minimum temperature Reported in degrees Fahrenheit
W1WR4	Monthly mean maximum temperature Reported in degrees Fahrenheit
W1WR5	Monthly mean temperature Reported in degrees Fahrenheit
W1WR6	Total monthly precipitation Reported in inches
W1WR7	Total monthly snowfall Reported in inches

Wave I Weather Data

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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	

W1WR1		Num 1	Number Days With Minimum Temperature <= 32 F NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
19471	93.9%	0	
490	2.4%	1	
234	1.1%	2	
91	0.4%	3	
74	0.4%	4	
323	1.6%	5-26	NOTE: Range of values omitted from display
3	0.0%	27	

2	0.0%	28	
10	0.0%	29	
6	0.0%	30	
41	0.2%	31	

W1WR2		Num 1	Number Days With Maximum Temperature >= 90 F NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
6784	32.7%	0	
960	4.6%	1	
1209	5.8%	2	
1038	5.0%	3	
1161	5.6%	4	
8252	39.8%	5-26	NOTE: Range of values omitted from display
305	1.5%	27	
197	0.9%	28	
390	1.9%	29	
293	1.4%	30	
156	0.8%	31	

W1WR3		Num 8	Monthly Mean Minimum Temperature NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0.0%	12.9	
1	0.0%	15	
2	0.0%	15.2	
1	0.0%	17.1	
3	0.0%	18	
20704	99.8%	18.1-79.8	NOTE: Range of values omitted from display

3	0.0%	80.2	
2	0.0%	80.40000000000001	
4	0.0%	81.09999999999999	
22	0.1%	81.8	
1	0.0%	84.5	

W1WR4		Num 8	Monthly Mean Maximum Temperature NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0.0%	27.5	
1	0.0%	29.8	
1	0.0%	30.9	
2	0.0%	31.4	
1	0.0%	32.9	
20665	99.6%	33.3-105.9	NOTE: Range of values omitted from display
2	0.0%	109	
48	0.2%	109.2	
21	0.1%	110.1	
1	0.0%	111.2	
1	0.0%	112.3	

W1WR5		Num 8	Monthly Mean Temperature NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
2	0.0%	20.2	
1	0.0%	22.4	
2	0.0%	23.3	
1	0.0%	24.8	

1	0.0%	25	
20665	99.6%	25.7- 93.09999999999999	NOTE: Range of values omitted from display
48	0.2%	93.40000000000001	
2	0.0%	94.7	
21	0.1%	96	
1	0.0%	97.09999999999999	
1	0.0%	97.90000000000001	

W1WR6		Num 8	Total Monthly Precipitation NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
1512	7.3%	0	
24	0.1%	.01	
103	0.5%	.02	
6	0.0%	.03	
16	0.1%	.04	
18874	91.0%	.05- 16.71	NOTE: Range of values omitted from display
1	0.0%	17.4	
1	0.0%	17.77	
125	0.6%	20.33	
1	0.0%	20.45	
82	0.4%	20.61	

W1WR7		Num 8	Total Monthly Snowfall NOTE: Smallest 5 and largest 5 values are displayed.
Frequency	Percent	Value	Label
20465	98.7%	0	
6	0.0%	.2	

17	0.1%	.5	
1	0.0%	.7	
33	0.2%	1	
182	0.9%	1.5-18.6	NOTE: Range of values omitted from display
1	0.0%	19.6	
1	0.0%	25.1	
2	0.0%	27.5	
35	0.2%	51.5	
2	0.0%	63	