

Table 2: USA states considered in this study. The p-value tests against the 0-amplitude (null) hypothesis.

Mesor, amplitude and phase refer to the fitted cosinor $M + A \sin\left(\frac{2\pi t}{12} + \phi\right)$

###	Name	ISO	LAT	LONG	MESOR	AMPL	PHASE	MNTH	Pval
1	Alaska	AK	61.4	-152.4	52.4	3.4	4.2	7.0	2.14E-02
2	Alabama	AL	32.8	-86.8	73.7	3.6	4.8	5.9	1.36E-02
3	Arkansas	AR	35.0	-92.4	26.9	1.7	4.8	5.9	1.03E-02
4	Arizona	AZ	33.7	-111.4	49.9	2.0	5.6	4.3	1.05E-03
5	California	CA	36.1	-119.7	74.2	5.1	4.6	6.1	5.47E-04
6	Colorado	CO	39.1	-105.3	50.4	3.2	5.0	5.4	5.69E-03
7	Connecticut	CT	41.6	-72.8	42.5	5.1	4.5	6.5	2.37E-05
8	Delaware	DE	39.3	-75.5	41.7	3.1	4.4	6.6	6.41E-03
9	Florida	FL	27.8	-81.7	80.4	2.4	5.7	4.2	2.15E-03
10	Georgia	GA	33.0	-83.6	78.2	3.6	5.1	5.3	1.08E-03
11	Hawaii	HI	21.1	-157.5	79.3	2.2	4.6	6.2	6.21E-02
12	Iowa	IA	42.0	-93.2	34.9	3.6	4.8	5.8	4.48E-04
13	Idaho	ID	44.2	-114.5	53.8	4.3	5.0	5.4	2.20E-03
14	Illinois	IL	40.4	-89.0	76.5	4.9	4.9	5.6	6.13E-04
15	Indiana	IN	39.9	-86.3	66.6	5.0	4.7	6.1	2.44E-04
16	Kansas	KS	38.5	-96.7	46.1	3.4	4.7	6.0	1.49E-02
17	Kentucky	KY	37.7	-84.7	64.5	4.1	4.9	5.6	2.92E-04
18	Louisiana	LA	31.0	-92.0	55.8	3.0	4.8	5.7	3.36E-03
19	Massachusetts	MA	42.2	-71.5	75.4	8.3	4.3	6.8	1.74E-04
20	Maryland	MD	39.1	-76.8	53.3	3.4	4.8	5.9	2.55E-03
21	Maine	ME	44.7	-69.4	52.8	5.2	4.5	6.4	3.74E-03
22	Michigan	MI	43.3	-84.5	71.4	6.0	4.7	6.0	3.08E-04
23	Minnesota	MN	45.7	-93.9	78.5	6.0	4.6	6.3	4.16E-05
24	Missouri	MO	38.5	-92.3	65.6	3.4	4.7	6.0	1.28E-03
25	Mississippi	MS	32.7	-89.7	71.4	3.3	4.8	5.8	2.62E-03
26	Montana	MT	46.9	-110.5	16.7	1.4	6.0	3.6	1.99E-02
27	North Carolina	NC	35.6	-79.8	53.3	3.3	4.7	6.0	1.81E-04
28	North Dakota	ND	47.5	-99.8	21.2	1.1	4.1	7.1	5.52E-02
29	Nebraska	NE	41.1	-98.3	45.4	3.4	5.0	5.5	5.98E-04
30	New Hampshire	NH	43.5	-71.6	34.8	2.8	4.7	6.0	1.54E-02
31	New Jersey	NJ	40.3	-74.5	69.1	5.7	4.4	6.6	1.63E-03
32	New Mexico	NM	34.8	-106.3	17.7	1.3	5.0	5.5	7.55E-03
33	Nevada	NV	38.3	-117.1	24.6	1.1	4.8	5.8	4.41E-03
34	New York	NY	42.2	-75.0	77.0	6.4	4.7	6.0	1.07E-04
35	Ohio	OH	40.4	-82.8	77.8	5.0	4.9	5.7	9.59E-05
36	Oklahoma	OK	35.6	-96.9	31.2	1.6	4.6	6.2	4.41E-06
37	Oregon	OR	44.6	-122.1	65.3	3.6	4.6	6.3	3.92E-03
38	Pennsylvania	PA	40.6	-77.2	79.4	5.9	4.9	5.7	1.83E-04
39	Rhode Island	RI	41.7	-71.5	52.3	6.4	4.8	5.9	5.06E-04
40	South Carolina	SC	33.9	-81.0	55.1	2.3	4.9	5.6	4.19E-03
41	South Dakota	SD	44.3	-99.4	7.5	0.2	5.4	4.6	1.95E-01
42	Tennessee	TN	35.8	-86.7	56.3	2.2	5.1	5.2	4.61E-03
43	Texas	TX	31.1	-97.6	71.4	2.7	4.7	6.1	6.24E-04
44	Utah	UT	40.2	-111.9	57.6	4.6	4.7	6.0	1.06E-03
45	Virginia	VA	37.8	-78.2	68.2	3.0	4.8	5.9	7.14E-03
46	Vermont	VT	44.1	-72.7	39.2	7.2	4.6	6.3	1.42E-04
47	Washington	WA	47.4	-121.5	80.4	5.1	5.0	5.5	4.69E-03
48	Wisconsin	WI	44.3	-89.6	44.2	3.4	4.6	6.2	9.44E-04
49	West Virginia	WV	38.5	-81.0	51.1	4.4	5.2	5.2	2.31E-04
50	Wyoming	WY	42.8	-107.3	60.3	5.5	5.1	5.3	6.25E-02









