Body Temperature Series of Two Beavers

Description

Reynolds (1994) describes a small part of a study of the long-term temperature dynamics of beaver Castor canadensis in north-central Wisconsin. Body temperature was measured by telemetry every 10 minutes for four females, but data from a one period of less than a day for each of two animals is used there.

Usage

beaver1

beaver2

Format

The beaver1 data frame has 114 rows and 4 columns on body temperature measurements at 10 minute intervals.

The beaver2 data frame has 100 rows and 4 columns on body temperature measurements at 10 minute intervals.

The variables are as follows:

day

Day of observation (in days since the beginning of 1990), December 12–13 (beaver1) and November 3–4 (beaver2).

time

Time of observation, in the form 0330 for 3:30am

temp

Measured body temperature in degrees Celsius.

activ

Indicator of activity outside the retreat.

Dataset:

	day	time	temp	activ
1	307	930	36.58	0
2	307	940	36.73	0
3	307	950	36.93	0
4	307	1000	37.15	0
5	307	1010	37.23	0
6	307	1020	37.24	0
7	307	1030	37.24	0
8	307	1040	36.90	0
9	307	1050	36.95	0
10	307	1100	36.89	0
11	307	1110	36.95	0
12	307	1120	37.00	0
13	307	1130	36.90	0
14	307	1140	36.99	0
15	307	1150	36.99	0
16	307	1200	37.01	0
17	307	1210	37.04	0
18	307	1220	37.04	0
19	307	1230	37.14	0
20	307	1240	37.07	0
21	307	1250	36.98	0
22	307	1300	37.01	0
23	307	1310	36.97	0
24	307	1320	36.97	0
25	307	1330	37.12	0
26	307	1340	37.13	0
27	307	1350	37.14	0
28	307	1400	37.15	0
29	307	1410	37.17	0

30	307	1420	37.12	0
31	307	1430	37.12	0
32	307	1440	37.17	0
33	307	1450	37.28	0
34	307	1500	37.28	0
35	307	1510	37.44	0
36	307	1520	37.51	0
37	307	1530	37.64	0
38	307	1540	37.51	0
39	307	1550	37.98	1
40	307	1600	38.02	1
41	307	1610	38.00	1
42	307	1620	38.24	1
43	307	1630	38.10	1
44	307	1640	38.24	1
45	307	1650	38.11	1
46	307	1700	38.02	1
47	307	1710	38.11	1
48	307	1720	38.01	1
49	307	1730	37.91	1
50	307	1740	37.96	1
51	307	1750	38.03	1
52	307	1800	38.17	1
53	307	1810	38.19	1
54	307	1820	38.18	1
55	307	1830	38.15	1
56	307	1840	38.04	1
57	307	1850	37.96	1
58	307	1900	37.84	1
59	307	1910	37.83	1
60	307	1920	37.84	1
61	307	1930	37.74	1
62	307	1940	37.76	1
63	307	1950	37.76	1
64	307	2000	37.64	1
65	307	2010	37.63	1
66	307	2020	38.06	1
67	307	2030	38.19	1
68	307	2040	38.35	1
69	307	2050	38.25	1
70	307	2100	37.86	1
71	307	2110	37.95	1
72	307	2120	37.95	1
73	307	2130	37.76	1
74	307	2140	37.60	1
75	307	2150	37.89	1
76	307	2200	37.86	1
77	307	2210	37.71	1
78	307	2220	37.78	1
79	307	2230	37.82	1
80	307	2240	37.76	1
81	307	2250	37.81	1
82	307	2300	37.84	1
83	307	2310	38.01	1
84	307	2320	38.10	1
85	307	2330	38.15	1
86	307	2340	37.92	1
87	307	2350	37.64	1
88	308	0	37.70	1
89	308	10	37.46	1
90	308	20	37.41	1
91	308	30	37.46	1
92	308	40	37.56	1
93	308	50	37.55	1
94	308	100	37.75	1
95	308	110	37.76	1
96	308	120	37.73	1
97	308	130	37.77	1
98	308	140	38.01	1
99	308	150	38.04	1
100	308	200	38.07	1