

Birthwt

	low	age	lwt	race	smoke	ptl	ht	ui	ftv	bwt
85	0	19	182	2	0	0	0	1	0	2523
86	0	33	155	3	0	0	0	0	3	2551
87	0	20	105	1	1	0	0	0	1	2557
88	0	21	108	1	1	0	0	1	2	2594
89	0	18	107	1	1	0	0	1	0	2600
91	0	21	124	3	0	0	0	0	0	2622
92	0	22	118	1	0	0	0	0	1	2637
93	0	17	103	3	0	0	0	0	1	2637
94	0	29	123	1	1	0	0	0	1	2663
95	0	26	113	1	1	0	0	0	0	2665
96	0	19	95	3	0	0	0	0	0	2722
97	0	19	150	3	0	0	0	0	1	2733
98	0	22	95	3	0	0	1	0	0	2751
99	0	30	107	3	0	1	0	1	2	2750
100	0	18	100	1	1	0	0	0	0	2769
101	0	18	100	1	1	0	0	0	0	2769
102	0	15	98	2	0	0	0	0	0	2778
103	0	25	118	1	1	0	0	0	3	2782
104	0	20	120	3	0	0	0	1	0	2807
105	0	28	120	1	1	0	0	0	1	2821
106	0	32	121	3	0	0	0	0	2	2835
107	0	31	100	1	0	0	0	1	3	2835
108	0	36	202	1	0	0	0	0	1	2836
109	0	28	120	3	0	0	0	0	0	2863
111	0	25	120	3	0	0	0	1	2	2877
112	0	28	167	1	0	0	0	0	0	2877
113	0	17	122	1	1	0	0	0	0	2906
114	0	29	150	1	0	0	0	0	2	2920
115	0	26	168	2	1	0	0	0	0	2920
116	0	17	113	2	0	0	0	0	1	2920
117	0	17	113	2	0	0	0	0	1	2920
118	0	24	90	1	1	1	0	0	1	2948
119	0	35	121	2	1	1	0	0	1	2948
120	0	25	155	1	0	0	0	0	1	2977
121	0	25	125	2	0	0	0	0	0	2977
123	0	29	140	1	1	0	0	0	2	2977
124	0	19	138	1	1	0	0	0	2	2977
125	0	27	124	1	1	0	0	0	0	2922
126	0	31	215	1	1	0	0	0	2	3005
127	0	33	109	1	1	0	0	0	1	3033
128	0	21	185	2	1	0	0	0	2	3042
129	0	19	189	1	0	0	0	0	2	3062
130	0	23	130	2	0	0	0	0	1	3062
131	0	21	160	1	0	0	0	0	0	3062
132	0	18	90	1	1	0	0	1	0	3062
133	0	18	90	1	1	0	0	1	0	3062
134	0	32	132	1	0	0	0	0	4	3080
135	0	19	132	3	0	0	0	0	0	3090
136	0	24	115	1	0	0	0	0	2	3090
137	0	22	85	3	1	0	0	0	0	3090
138	0	22	120	1	0	0	1	0	1	3100
139	0	23	128	3	0	0	0	0	0	3104
140	0	22	130	1	1	0	0	0	0	3132
141	0	30	95	1	1	0	0	0	2	3147

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142	0	19	115	3	0	0	0	0	0	3175
143	0	16	110	3	0	0	0	0	0	3175
144	0	21	110	3	1	0	0	1	0	3203
145	0	30	153	3	0	0	0	0	0	3203
146	0	20	103	3	0	0	0	0	0	3203
147	0	17	119	3	0	0	0	0	0	3225
148	0	17	119	3	0	0	0	0	0	3225
149	0	23	119	3	0	0	0	0	2	3232
150	0	24	110	3	0	0	0	0	0	3232
151	0	28	140	1	0	0	0	0	0	3234
154	0	26	133	3	1	2	0	0	0	3260
155	0	20	169	3	0	1	0	1	1	3274
156	0	24	115	3	0	0	0	0	2	3274
159	0	28	250	3	1	0	0	0	6	3303
160	0	20	141	1	0	2	0	1	1	3317
161	0	22	158	2	0	1	0	0	2	3317
162	0	22	112	1	1	2	0	0	0	3317
163	0	31	150	3	1	0	0	0	2	3321
164	0	23	115	3	1	0	0	0	1	3331
166	0	16	112	2	0	0	0	0	0	3374
167	0	16	135	1	1	0	0	0	0	3374
168	0	18	229	2	0	0	0	0	0	3402
169	0	25	140	1	0	0	0	0	1	3416
170	0	32	134	1	1	1	0	0	4	3430
172	0	20	121	2	1	0	0	0	0	3444
173	0	23	190	1	0	0	0	0	0	3459
174	0	22	131	1	0	0	0	0	1	3460
175	0	32	170	1	0	0	0	0	0	3473
176	0	30	110	3	0	0	0	0	0	3544
177	0	20	127	3	0	0	0	0	0	3487
179	0	23	123	3	0	0	0	0	0	3544
180	0	17	120	3	1	0	0	0	0	3572
181	0	19	105	3	0	0	0	0	0	3572
182	0	23	130	1	0	0	0	0	0	3586
183	0	36	175	1	0	0	0	0	0	3600
184	0	22	125	1	0	0	0	0	1	3614
185	0	24	133	1	0	0	0	0	0	3614
186	0	21	134	3	0	0	0	0	2	3629
187	0	19	235	1	1	0	1	0	0	3629
188	0	25	95	1	1	3	0	1	0	3637
189	0	16	135	1	1	0	0	0	0	3643
190	0	29	135	1	0	0	0	0	1	3651
191	0	29	154	1	0	0	0	0	1	3651
192	0	19	147	1	1	0	0	0	0	3651
193	0	19	147	1	1	0	0	0	0	3651
195	0	30	137	1	0	0	0	0	1	3699
196	0	24	110	1	0	0	0	0	1	3728
197	0	19	184	1	1	0	1	0	0	3756
199	0	24	110	3	0	1	0	0	0	3770
200	0	23	110	1	0	0	0	0	1	3770
201	0	20	120	3	0	0	0	0	0	3770
202	0	25	241	2	0	0	1	0	0	3790
203	0	30	112	1	0	0	0	0	1	3799
204	0	22	169	1	0	0	0	0	0	3827
205	0	18	120	1	1	0	0	0	2	3856

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206	0	16	170	2	0	0	0	0	4	3860
207	0	32	186	1	0	0	0	0	2	3860
208	0	18	120	3	0	0	0	0	1	3884
209	0	29	130	1	1	0	0	0	2	3884
210	0	33	117	1	0	0	0	1	1	3912
211	0	20	170	1	1	0	0	0	0	3940
212	0	28	134	3	0	0	0	0	1	3941
213	0	14	135	1	0	0	0	0	0	3941
214	0	28	130	3	0	0	0	0	0	3969
215	0	25	120	1	0	0	0	0	2	3983
216	0	16	95	3	0	0	0	0	1	3997
217	0	20	158	1	0	0	0	0	1	3997
218	0	26	160	3	0	0	0	0	0	4054
219	0	21	115	1	0	0	0	0	1	4054
220	0	22	129	1	0	0	0	0	0	4111
221	0	25	130	1	0	0	0	0	2	4153
222	0	31	120	1	0	0	0	0	2	4167
223	0	35	170	1	0	1	0	0	1	4174
224	0	19	120	1	1	0	0	0	0	4238
225	0	24	116	1	0	0	0	0	1	4593
226	0	45	123	1	0	0	0	0	1	4990
4	1	28	120	3	1	1	0	1	0	709
10	1	29	130	1	0	0	0	1	2	1021
11	1	34	187	2	1	0	1	0	0	1135
13	1	25	105	3	0	1	1	0	0	1330
15	1	25	85	3	0	0	0	1	0	1474
16	1	27	150	3	0	0	0	0	0	1588
17	1	23	97	3	0	0	0	1	1	1588
18	1	24	128	2	0	1	0	0	1	1701
19	1	24	132	3	0	0	1	0	0	1729
20	1	21	165	1	1	0	1	0	1	1790
22	1	32	105	1	1	0	0	0	0	1818
23	1	19	91	1	1	2	0	1	0	1885
24	1	25	115	3	0	0	0	0	0	1893
25	1	16	130	3	0	0	0	0	1	1899
26	1	25	92	1	1	0	0	0	0	1928
27	1	20	150	1	1	0	0	0	2	1928
28	1	21	200	2	0	0	0	1	2	1928
29	1	24	155	1	1	1	0	0	0	1936
30	1	21	103	3	0	0	0	0	0	1970
31	1	20	125	3	0	0	0	1	0	2055
32	1	25	89	3	0	2	0	0	1	2055
33	1	19	102	1	0	0	0	0	2	2082
34	1	19	112	1	1	0	0	1	0	2084
35	1	26	117	1	1	1	0	0	0	2084
36	1	24	138	1	0	0	0	0	0	2100
37	1	17	130	3	1	1	0	1	0	2125
40	1	20	120	2	1	0	0	0	3	2126
42	1	22	130	1	1	1	0	1	1	2187
43	1	27	130	2	0	0	0	1	0	2187
44	1	20	80	3	1	0	0	1	0	2211
45	1	17	110	1	1	0	0	0	0	2225
46	1	25	105	3	0	1	0	0	1	2240
47	1	20	109	3	0	0	0	0	0	2240
49	1	18	148	3	0	0	0	0	0	2282

Birthwt

50	1	18	110	2	1	1	0	0	0	2296
51	1	20	121	1	1	1	0	1	0	2296
52	1	21	100	3	0	1	0	0	4	2301
54	1	26	96	3	0	0	0	0	0	2325
56	1	31	102	1	1	1	0	0	1	2353
57	1	15	110	1	0	0	0	0	0	2353
59	1	23	187	2	1	0	0	0	1	2367
60	1	20	122	2	1	0	0	0	0	2381
61	1	24	105	2	1	0	0	0	0	2381
62	1	15	115	3	0	0	0	1	0	2381
63	1	23	120	3	0	0	0	0	0	2410
65	1	30	142	1	1	1	0	0	0	2410
67	1	22	130	1	1	0	0	0	1	2410
68	1	17	120	1	1	0	0	0	3	2414
69	1	23	110	1	1	1	0	0	0	2424
71	1	17	120	2	0	0	0	0	2	2438
75	1	26	154	3	0	1	1	0	1	2442
76	1	20	105	3	0	0	0	0	3	2450
77	1	26	190	1	1	0	0	0	0	2466
78	1	14	101	3	1	1	0	0	0	2466
79	1	28	95	1	1	0	0	0	2	2466
81	1	14	100	3	0	0	0	0	2	2495
82	1	23	94	3	1	0	0	0	0	2495
83	1	17	142	2	0	0	1	0	0	2495
84	1	21	130	1	1	0	1	0	3	2495

Description

Risk Factors Associated with Low Infant Birth Weight

Description

The birthwt data frame has 189 rows and 10 columns. The data were collected at Baystate Medical C

Usage

birthwt

Format

This data frame contains the following columns:

low

indicator of birth weight less than 2.5 kg.

age

mother's age in years.

lwt

mother's weight in pounds at last menstrual period.

race

mother's race (1 = white, 2 = black, 3 = other).

smoke

smoking status during pregnancy.

ptl

number of previous premature labours.

ht

history of hypertension.

ui

presence of uterine irritability.

ftv

number of physician visits during the first trimester.

bwt

birth weight in grams.

Source

Hosmer, D.W. and Lemeshow, S. (1989) Applied Logistic Regression. New York: Wiley

References

Venables, W. N. and Ripley, B. D. (2002) Modern Applied Statistics with S. Fourth edition. Springer.

Description

enter, Springfield, Mass during 1986.