

Urine

r	gravity	ph	osmo	cond	urea	calc	
1	0	1.021	4.91	725	NA	443	2.45
2	0	1.017	5.74	577	20.0	296	4.49
3	0	1.008	7.20	321	14.9	101	2.36
4	0	1.011	5.51	408	12.6	224	2.15
5	0	1.005	6.52	187	7.5	91	1.16
6	0	1.020	5.27	668	25.3	252	3.34
7	0	1.012	5.62	461	17.4	195	1.40
8	0	1.029	5.67	1107	35.9	550	8.48
9	0	1.015	5.41	543	21.9	170	1.16
10	0	1.021	6.13	779	25.7	382	2.21
11	0	1.011	6.19	345	11.5	152	1.93
12	0	1.025	5.53	907	28.4	448	1.27
13	0	1.006	7.12	242	11.3	64	1.03
14	0	1.007	5.35	283	9.9	147	1.47
15	0	1.011	5.21	450	17.9	161	1.53
16	0	1.018	4.90	684	26.1	284	5.09
17	0	1.007	6.63	253	8.4	133	1.05
18	0	1.025	6.81	947	32.6	395	2.03
19	0	1.008	6.88	395	26.1	95	7.68
20	0	1.014	6.14	565	23.6	214	1.45
21	0	1.024	6.30	874	29.9	380	5.16
22	0	1.019	5.47	760	33.8	199	0.81
23	0	1.014	7.38	577	30.1	87	1.32
24	0	1.020	5.96	631	11.2	422	1.55
25	0	1.023	5.68	749	29.0	239	1.52
26	0	1.017	6.76	455	8.8	270	0.77
27	0	1.017	7.61	527	25.8	75	2.17
28	0	1.010	6.61	225	9.8	72	0.17
29	0	1.008	5.87	241	5.1	159	0.83
30	0	1.020	5.44	781	29.0	349	3.04
31	0	1.017	7.92	680	25.3	282	1.06
32	0	1.019	5.98	579	15.5	297	3.93
33	0	1.017	6.56	559	15.8	317	5.38
34	0	1.008	5.94	256	8.1	130	3.53
35	0	1.023	5.85	970	38.0	362	4.54
36	0	1.020	5.66	702	23.6	330	3.98
37	0	1.008	6.40	341	14.6	125	1.02
38	0	1.020	6.35	704	24.5	260	3.46
39	0	1.009	6.37	325	12.2	97	1.19
40	0	1.018	6.18	694	23.3	311	5.64
41	0	1.021	5.33	815	26.0	385	2.66
42	0	1.009	5.64	386	17.7	104	1.22
43	0	1.015	6.79	541	20.9	187	2.64
44	0	1.010	5.97	343	13.4	126	2.31
45	0	1.020	5.68	876	35.8	308	4.49
46	1	1.021	5.94	774	27.9	325	6.96
47	1	1.024	5.77	698	19.5	354	13.00
48	1	1.024	5.60	866	29.5	360	5.54
49	1	1.021	5.53	775	31.2	302	6.19
50	1	1.024	5.36	853	27.6	364	7.31
51	1	1.026	5.16	822	26.0	301	14.34
52	1	1.013	5.86	531	21.4	197	4.74
53	1	1.010	6.27	371	11.2	188	2.50
54	1	1.011	7.01	443	21.4	124	1.27

Urine

55	1	1.022	6.21	NA	20.6	398	4.18
56	1	1.011	6.13	364	10.9	159	3.10
57	1	1.031	5.73	874	17.4	516	3.01
58	1	1.020	7.94	567	19.7	212	6.81
59	1	1.040	6.28	838	14.3	486	8.28
60	1	1.021	5.56	658	23.6	224	2.33
61	1	1.025	5.71	854	27.0	385	7.18
62	1	1.026	6.19	956	27.6	473	5.67
63	1	1.034	5.24	1236	27.3	620	12.68
64	1	1.033	5.58	1032	29.1	430	8.94
65	1	1.015	5.98	487	14.8	198	3.16
66	1	1.013	5.58	516	20.8	184	3.30
67	1	1.014	5.90	456	17.8	164	6.99
68	1	1.012	6.75	251	5.1	141	0.65
69	1	1.025	6.90	945	33.6	396	4.18
70	1	1.026	6.29	833	22.2	457	4.45
71	1	1.028	4.76	312	12.4	10	0.27
72	1	1.027	5.40	840	24.5	395	7.64
73	1	1.018	5.14	703	29.0	272	6.63
74	1	1.022	5.09	736	19.8	418	8.53
75	1	1.025	7.90	721	23.6	301	9.04
76	1	1.017	4.81	410	13.3	195	0.58
77	1	1.024	5.40	803	21.8	394	7.82
78	1	1.016	6.81	594	21.4	255	12.20
79	1	1.015	6.03	416	12.8	178	9.39

Description

The urine data frame has 79 rows and 7 columns.

79 urine specimens were analyzed in an effort to determine if certain physical characteristics of the ur

Usage

urine

Format

This data frame contains the following columns:

r

Indicator of the presence of calcium oxalate crystals.

gravity

The specific gravity of the urine.

ph

The pH reading of the urine.

osmo

The osmolarity of the urine. Osmolarity is proportional to the concentration of molecules in solution.

cond

The conductivity of the urine. Conductivity is proportional to the concentration of charged ions in soluti

urea

The urea concentration in millimoles per litre.

calc

The calcium concentration in millimoles per litre.

Source

The data were obtained from

Andrews, D.F. and Herzberg, A.M. (1985) Data: A Collection of Problems from Many Fields for the St

References

Davison, A.C. and Hinkley, D.V. (1997) Bootstrap Methods and Their Application. Cambridge Universi

Description

ine might be related to the formation of calcium oxalate crystals.

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