

OBSNO	SEX	ALKPHOS	LAB
138	1	50	1
153	1	50	1
128	1	52	1
146	1	52	1
157	1	57	1
145	1	61	1
117	1	62	1
152	1	62	1
142	1	63	1
127	1	64	1
141	1	64	1
149	1	66	1
143	1	67	1
150	1	67	1
159	1	67	1
137	1	68	1
165	1	69	1
132	1	71	1
123	1	74	1
119	1	75	1
126	1	75	1
133	1	76	1
164	1	76	1
115	1	77	1
139	1	77	1
108	1	79	1
155	1	79	1
122	1	83	1
154	1	83	1
166	1	83	1
111	1	84	1
113	1	85	1
130	1	85	1
134	1	87	1
110	1	88	1
158	1	90	1
121	1	91	1
131	1	91	1
140	1	91	1
109	1	97	1
135	1	97	1
144	1	100	1
112	1	105	1
151	1	105	1
160	1	105	1
116	1	106	1
118	1	106	1
148	1	107	1
162	1	110	1
156	1	114	1
136	1	116	1
163	1	119	1
129	1	122	1
114	1	127	1
161	1	130	1
124	1	136	1
147	1	140	1
125	1	150	1
120	<b>1</b>	83	1
60	1	<b>97</b>	2
69	1	58	2

Question 2

ALKPHOS	Male	Femal	Diff.	Total
mean	86.0	99.2	13.2	92.466
median	83.0	91.0	8.0	85.0
standard deviation	22.9	35.7		30.506
minimum	42	43	1	42
maximum	168	219	51	219
Standard error	2.40	3.83		2.29

Question 3 skipped

Question 4:

The sex difference is 5.78 times as big as the standard error. There is almost certainly a real sex difference in Alkaline Phosphorus

Question 5 (not using Question 3)

Maybe her level is below the women's average and his level is above the men's average.

Question 6 (optional)

Average of ALKPHOS	
LAB	Total
1	94.8
2	88.9
3	83.4
4	118.4
5	72.3
6	84.3
#NULL!	89.0
Grand Total	92.5

Lab 5's average is 46.16 less than lab 4's average

Later we will see a better way to handle these questions using multiple regression with dummy variables.

72	1	62	2
66	1	71	2
68	1	71	2
70	1	75	2
75	1	75	2
77	1	76	2
59	1	78	2
62	1	81	2
67	1	82	2
65	1	83	2
71	1	84	2
64	1	91	2
73	1	91	2
63	1	97	2
61	1	98	2
76	1	100	2
74	1	168	2
78	1	85	<b>2</b>
35	1	42	3
37	1	60	3
36	1	73	3
34	1	118	3
9	1	86	4
11	1	96	4
10	1	108	4
23	1	82	5
21	1	84	5
24	1	84	5
22	1	<b>82</b>	5
168	1	73	6
101	2	68	1
103	2	68	1
104	2	69	1
98	2	72	1
93	2	73	1
95	2	78	1
99	2	81	1
97	2	83	1
87	2	85	1
92	2	85	1
83	2	86	1
86	2	98	1
84	2	100	1
96	2	103	1
102	2	107	1
107	2	111	1
79	2	115	1
85	2	115	1
88	2	116	1
91	2	116	1
81	2	123	1
106	2	123	1
90	2	124	1
82	2	126	1
89	2	155	1
105	2	163	1
100	2	171	1
80	2	193	1
94	2	219	1
51	2	54	2
52	2	55	2
56	2	60	2

43	2	69	2
55	2	69	2
44	2	72	2
58	2	78	2
38	2	80	2
54	2	86	2
41	2	87	2
42	2	88	2
39	2	89	2
15	2	91	2
45	2	92	2
40	2	95	2
47	2	97	2
50	2	98	2
48	2	110	2
46	2	129	2
49	2	129	2
57	2	137	2
53	2	147	2
31	2	43	3
32	2	57	3
29	2	61	3
30	2	62	3
26	2	90	3
25	2	100	3
27	2	109	3
175	2	115	3
33	2	129	3
174	2	138	3
173	<b>2</b>	72	3
28	<b>2</b>	65	3
1	2	83	4
177	2	83	4
4	2	102	4
5	2	114	4
2	2	117	4
178	2	124	4
3	2	132	4
8	2	153	4
17	2	159	4
7	2	213	4
6	2	88	<b>4</b>
13	2	45	5
18	2	52	5
16	2	57	5
12	2	58	5
19	2	67	5
14	2	73	5
20	2	111	5
172	2	57	6
167	2	61	6
176	2	84	6
171	2	109	6
169	2	122	6
170	2	89 <b>#NULL!</b>	