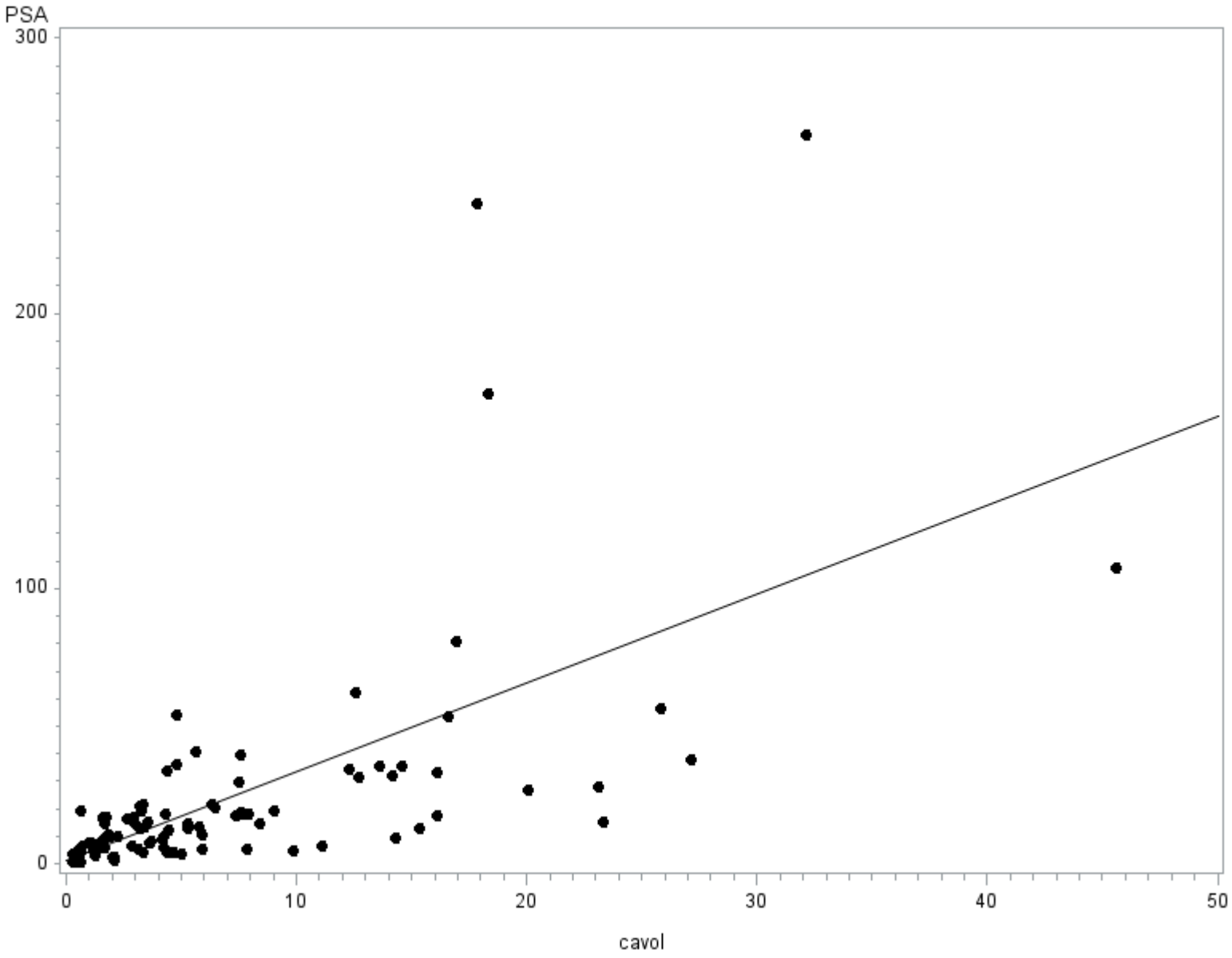
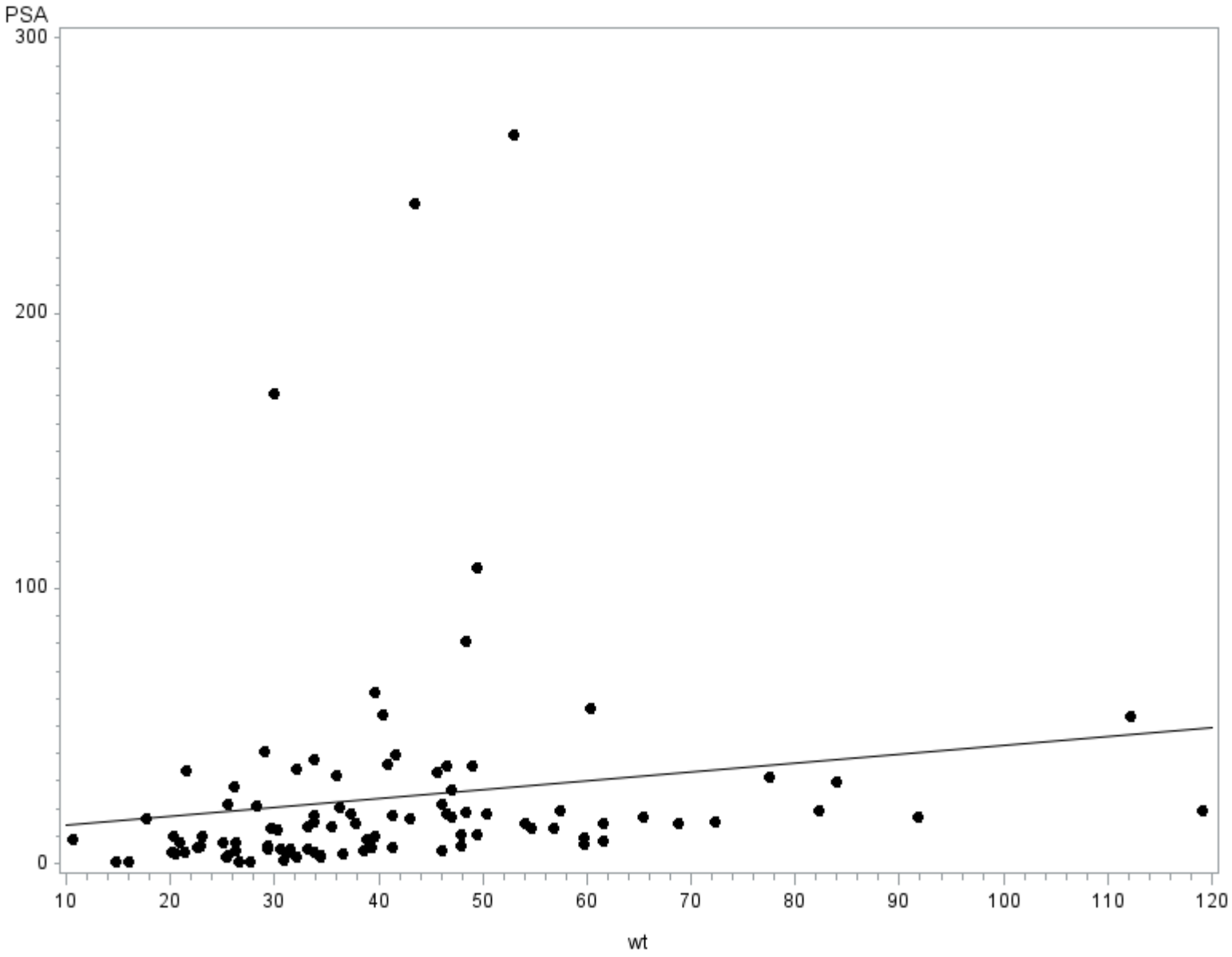
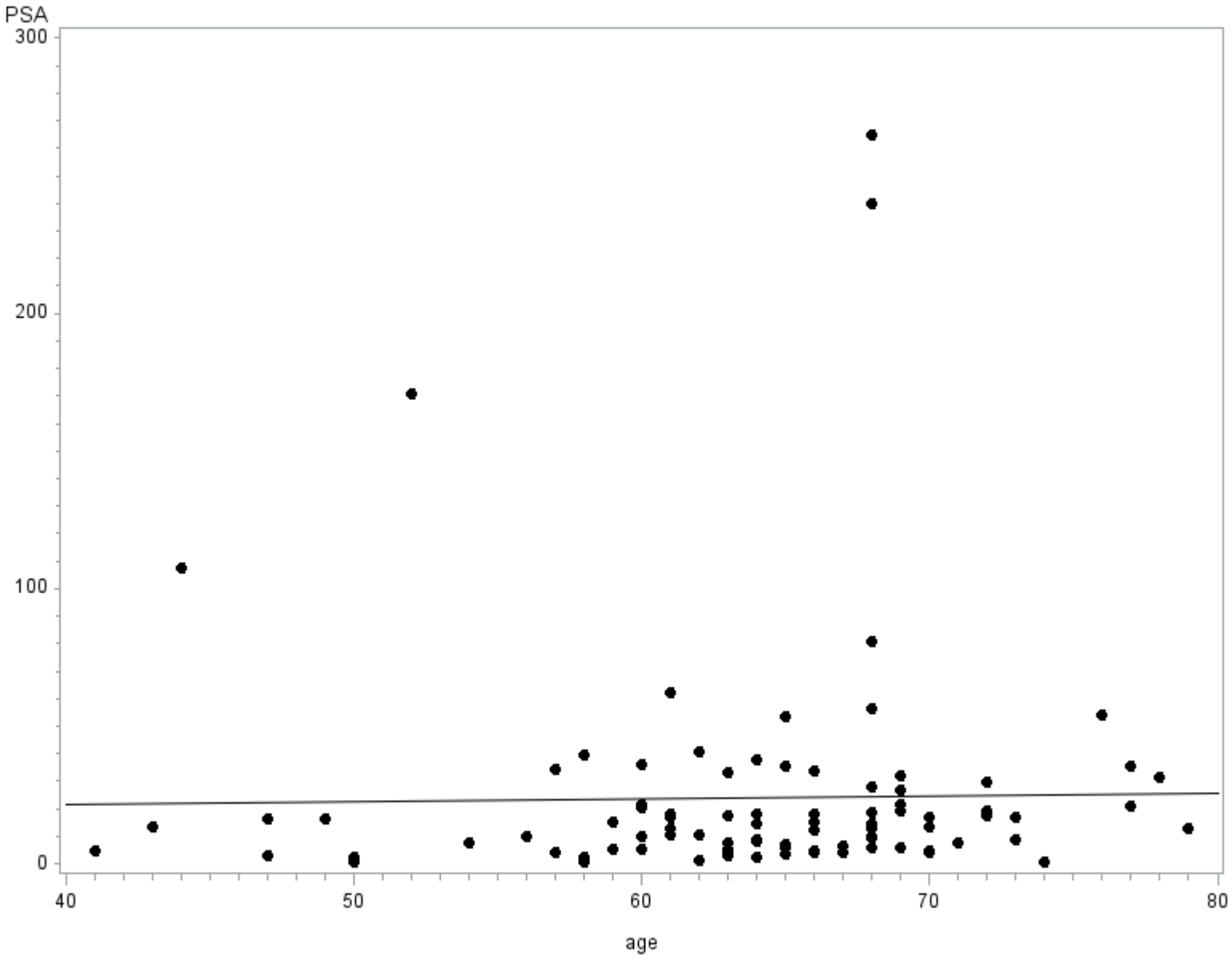
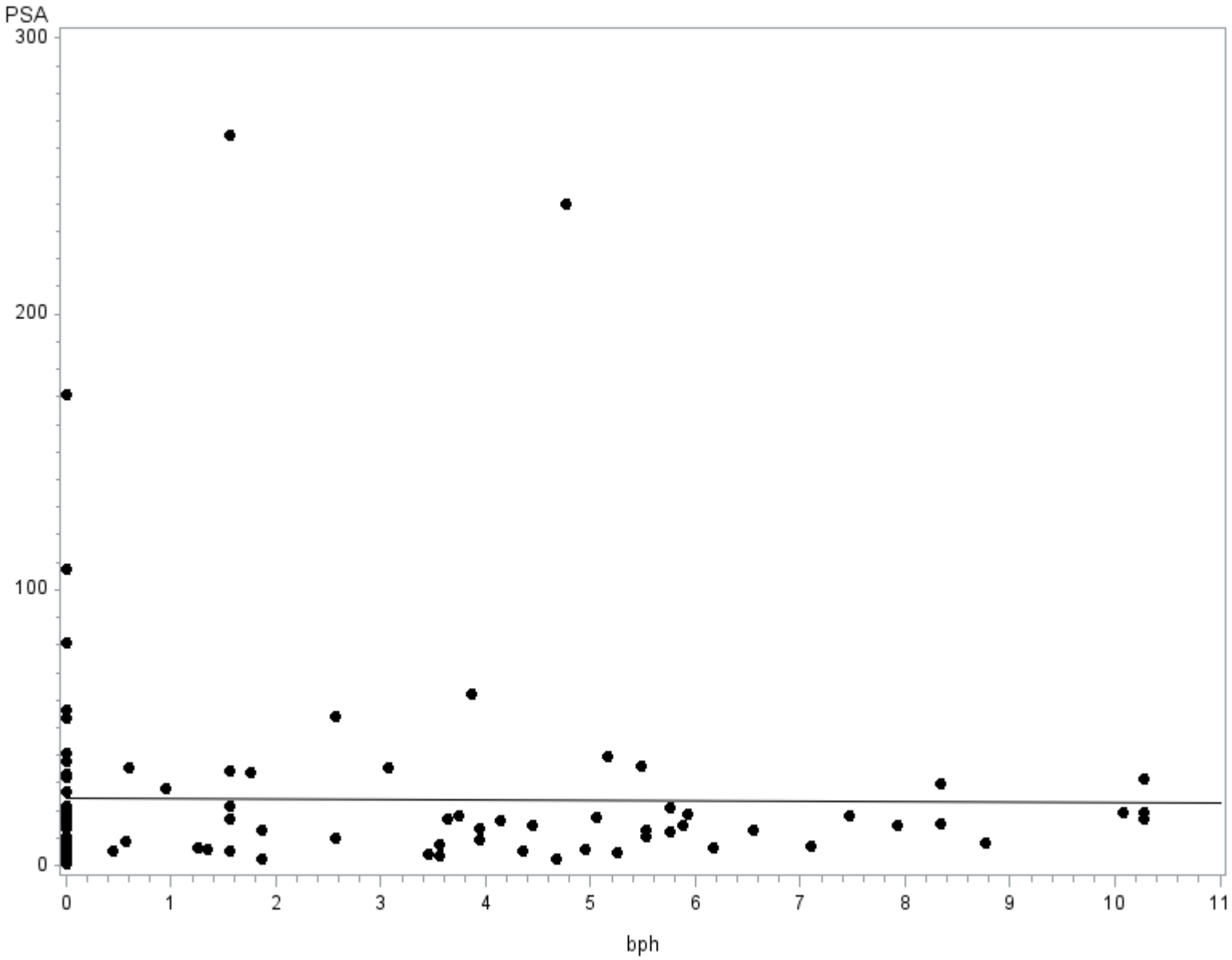
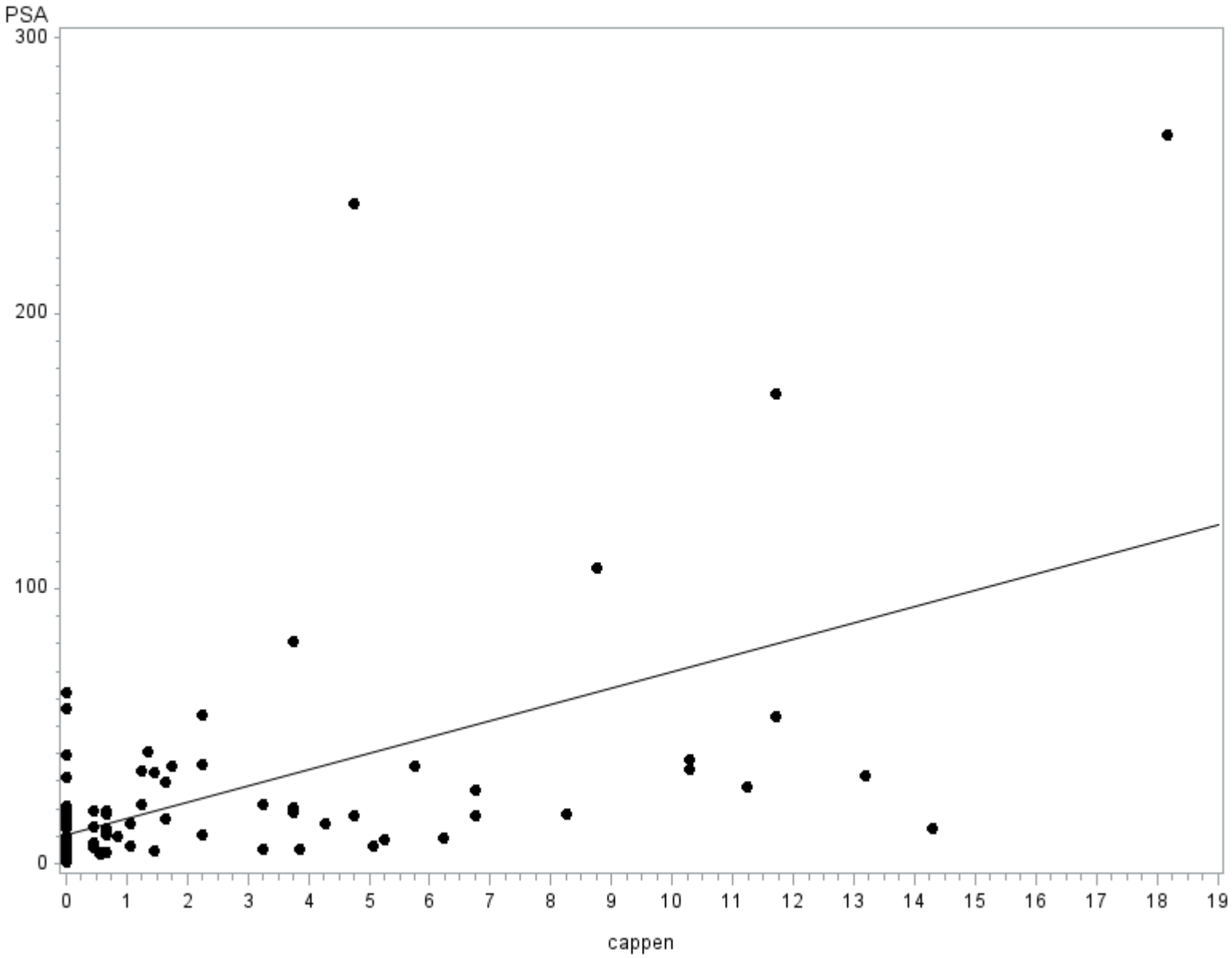
OUTPUT 2: DESCRIPTIVES AND GRAPHS ON CLEANED DATA

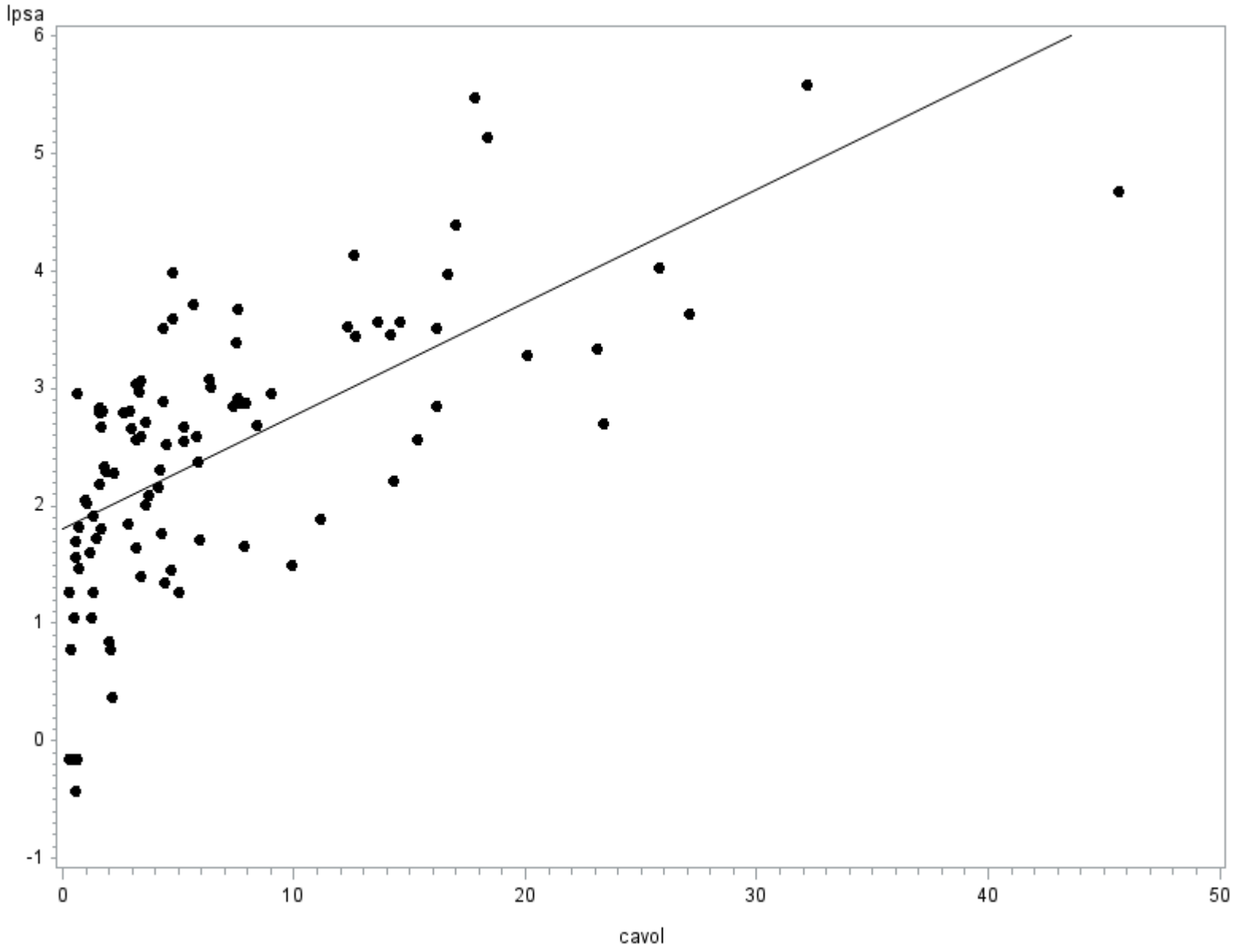

PSA
300
200
100
0
0
10
20
30
40
50
cavol

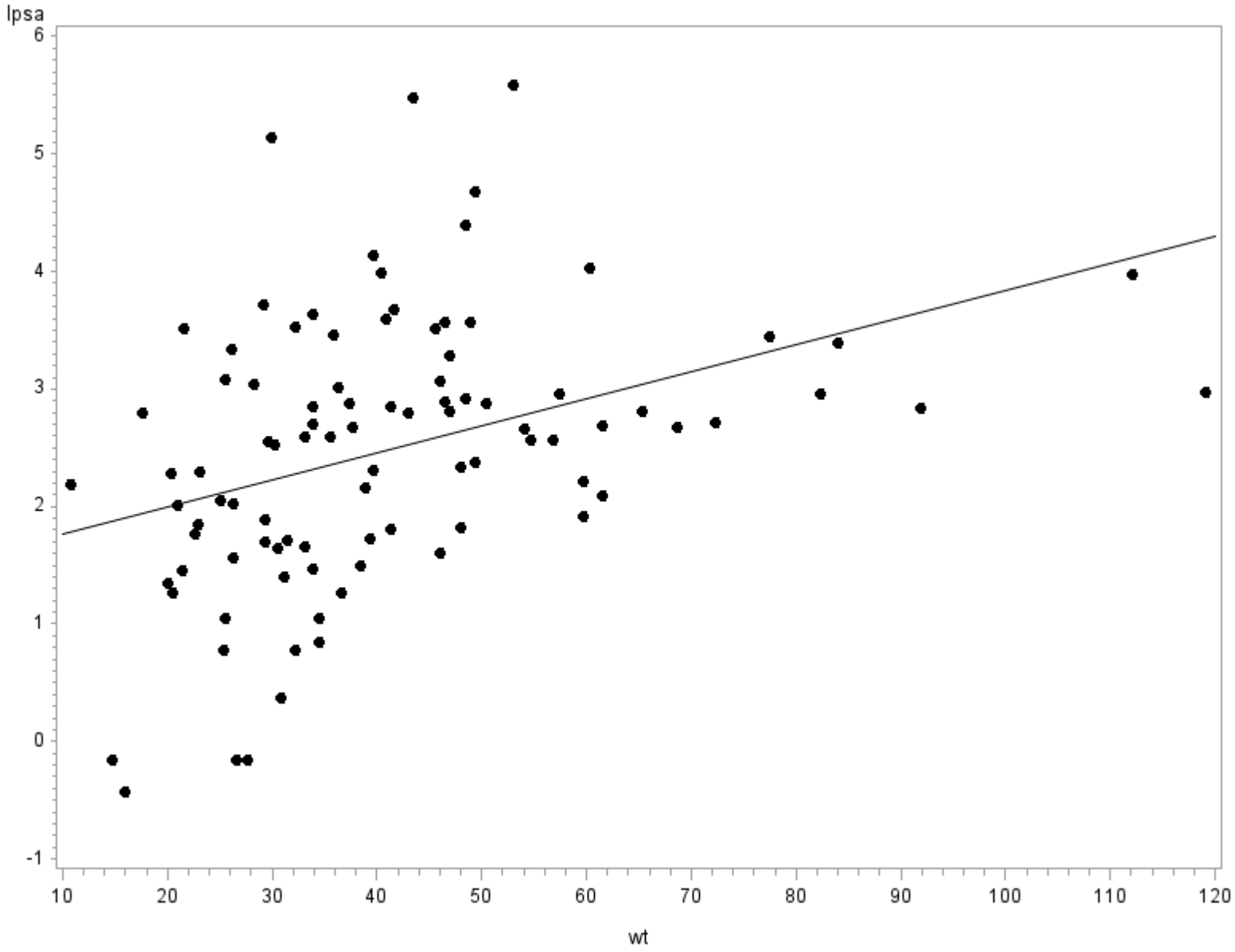

PSA
300
200
100
0
10
20
30
40
50
60
70
80
90
100
110
120
wt

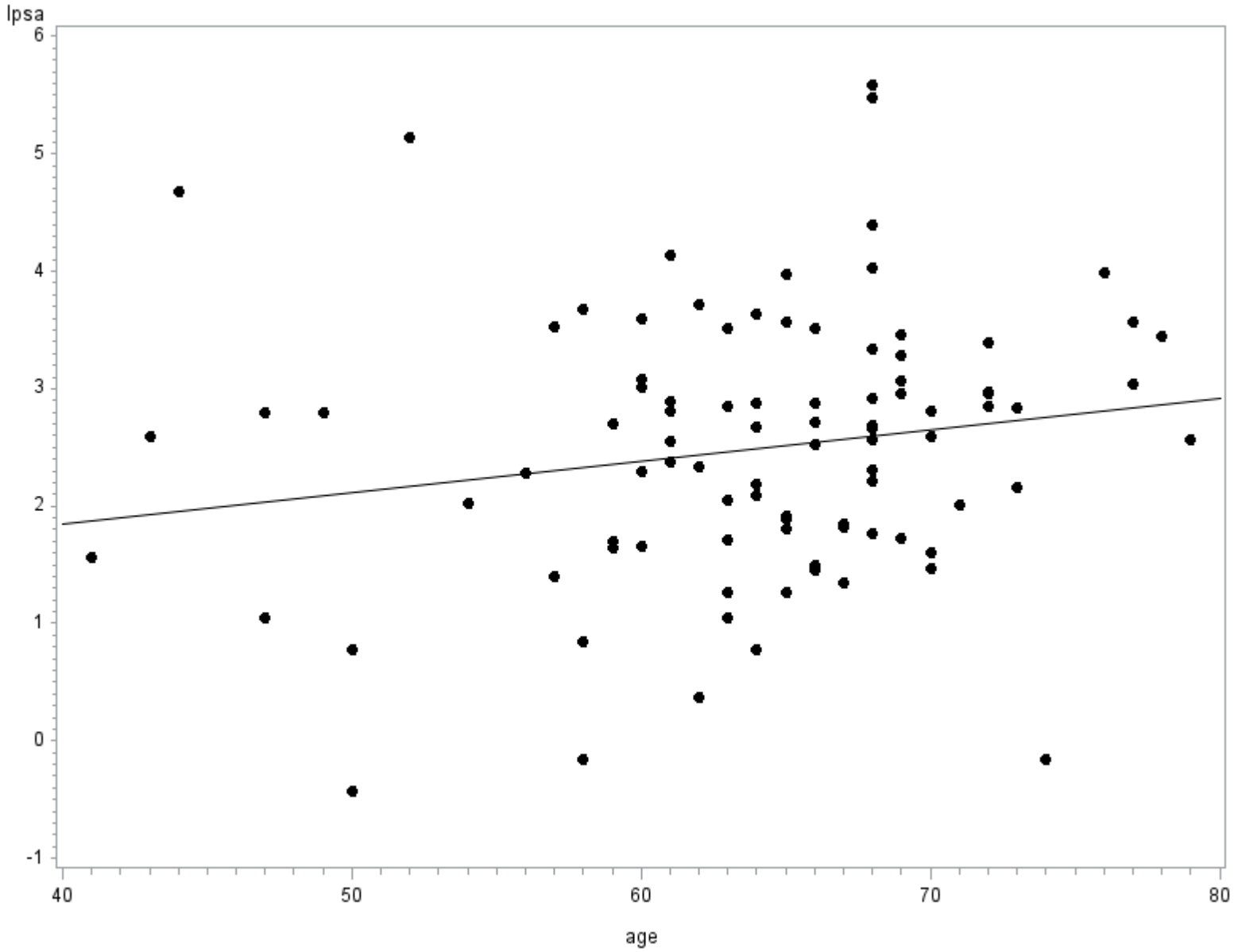

PSA
300
200
100
0
40
50
60
70
80
age

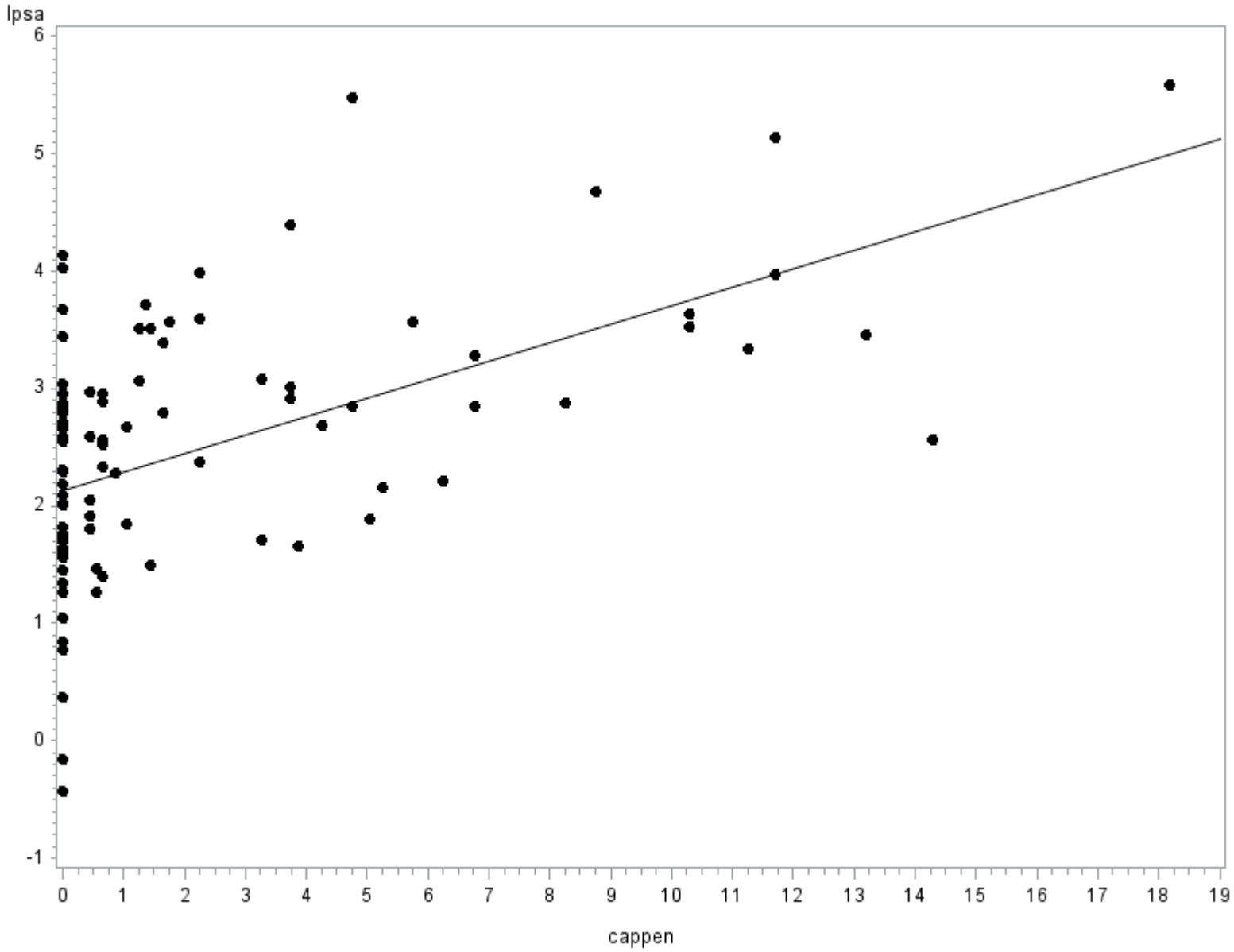

PSA
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10
11
bph


PSA
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
cappen


lpsa
6
5
4
3
2
1
0
-1
0
10
20
30
40
50
cavol


lpsa
6
5
4
3
2
1
0
-1
10
20
30
40
50
60
70
80
90
100
110
120
wt


lpsa
6
5
4
3
2
1
0
-1
40
50
60
70
80
age


lpsa
6
5
4
3
2
1
0
-1
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
cappen

Descriptive Statistics for Continuous Variables in PSA-Project

After data cleaning

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
PSA	96	23.8995833	40.9626701	0.6510000	265.0720000
lpsa	96	2.4835513	1.1587051	-0.4292456	5.5800015
cavol	96	7.0591146	7.8996128	0.2592000	45.6042000
wt	96	41.2741979	19.1752201	10.6970000	119.1040000
age	96	63.8541667	7.4832855	41.0000000	79.0000000
bph	96	2.5041083	3.0319730	0	10.2779000
cappen	96	2.2687563	3.7961327	0	18.1741000

Descriptive Statistics for the Categorical Variables in PSA-Project
After data cleaning

The FREQ Procedure

svi	Frequency	Percent	Cumulative Frequency	Cumulative Percent
0	75	78.13	75	78.13
1	21	21.88	96	100.00

gleason	Frequency	Percent	Cumulative Frequency	Cumulative Percent
6	32	33.33	32	33.33
7	43	44.79	75	78.13
8	21	21.88	96	100.00

Correlations between all variables: After data cleaning

The CORR Procedure

7 Variables: PSA lpsa cavol wt age bph cappen

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
PSA	96	23.89958	40.96267	2294	0.65100	265.07200
lpsa	96	2.48355	1.15871	238.42092	-0.42925	5.58000
cavol	96	7.05911	7.89961	677.67500	0.25920	45.60420
wt	96	41.27420	19.17522	3962	10.69700	119.10400
age	96	63.85417	7.48329	6130	41.00000	79.00000
bph	96	2.50411	3.03197	240.39440	0	10.27790
cappen	96	2.26876	3.79613	217.80060	0	18.17410

Pearson Correlation Coefficients, N = 96
Prob > |r| under H0: Rho=0

	PSA	lpsa	cavol	wt	age	bph	cappen
PSA	1.00000	0.72059	0.62336	0.15204	0.01786	-0.01249	0.54978
		<.0001	<.0001	0.1392	0.8629	0.9039	<.0001
lpsa	0.72059	1.00000	0.65637	0.38274	0.17073	0.16249	0.51689

Pearson Correlation Coefficients, N = 96
Prob > |r| under H0: Rho=0

	PSA	lpsa	cavol	wt	age	bph	cappen
	<.0001		<.0001	0.0001	0.0963	0.1137	<.0001
cavol	0.62336	0.65637	1.00000	0.17719	0.04039	-0.12668	0.69155
	<.0001	<.0001		0.0842	0.6960	0.2187	<.0001
wt	0.15204	0.38274	0.17719	1.00000	0.35975	0.55733	0.13661
	0.1392	0.0001	0.0842		0.0003	<.0001	0.1844
age	0.01786	0.17073	0.04039	0.35975	1.00000	0.36665	0.10071
	0.8629	0.0963	0.6960	0.0003		0.0002	0.3289
bph	-0.01249	0.16249	-0.12668	0.55733	0.36665	1.00000	-0.07748
	0.9039	0.1137	0.2187	<.0001	0.0002		0.4531
cappen	0.54978	0.51689	0.69155	0.13661	0.10071	-0.07748	1.00000
	<.0001	<.0001	<.0001	0.1844	0.3289	0.4531	