PSA

wt

Descriptive Statistics for Continuous Variables in PSA-Project
After data cleaning

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
PSA	97	23.7301340	40.7829249	0.6510000	265.0720000
lpsa	97	2.4786688	1.1536570	-0.4292456	5.5800015
cavol	97	6.9986825	7.8808686	0.2592000	45.6042000
wt	97	45.4913608	45.7050531	10.6970000	450.3390000
age	97	63.8659794	7.4451171	41.0000000	79.0000000
bph	97	2.5347247	3.0311757	0	10.2779000
cappen	97	2.2453670	3.7833289	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	76	78.35	76	78.35
1	21	21.65	97	100.00

gleason	Frequency	Percent	Cumulative Frequency	Cumulative Percent
6	33	34.02	33	34.02
7	43	44.33	76	78.35
8	21	21.65	97	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	97	23.73013	40.78292	2302	0.65100	265.07200
lpsa	97	2.47867	1.15366	240.43088	-0.42925	5.58000
cavol	97	6.99868	7.88087	678.87220	0.25920	45.60420
wt	97	45.49136	45.70505	4413	10.69700	450.33900
age	97	63.86598	7.44512	6195	41.00000	79.00000
bph	97	2.53472	3.03118	245.86830	0	10.27790
cappen	97	2.24537	3.78333	217.80060	0	18.17410

Pearson Correlation Coefficients, N = 97 Prob > |r| under H0: Rho=0							
	PSA	**lpsa**	**cavol**	**wt**	**age**	**bph**	**cappen**
PSA	1.00000	0.72107 <.0001	0.62415 <.0001	0.02621 0.7988	0.01720 0.8672	-0.01649 0.8727	0.55079 <.0001
lpsa	0.72107 <.0001	1.00000	0.65707 <.0001	0.12172 0.2350	0.16991 0.0961	0.15740 0.1236	0.51802 <.0001
cavol	0.62415 <.0001	0.65707 <.0001	1.00000	0.00511 0.9604	0.03909 0.7038	-0.13321 0.1933	0.69290 <.0001
wt	0.02621 0.7988	0.12172 0.2350	0.00511 0.9604	1.00000	0.16432 0.1078	0.32185 0.0013	0.00158 0.9878
age	0.01720 0.8672	0.16991 0.0961	0.03909 0.7038	0.16432 0.1078	1.00000	0.36634 0.0002	0.09956 0.3319
bph	-0.01649 0.8727	0.15740 0.1236	-0.13321 0.1933	0.32185 0.0013	0.36634 0.0002	1.00000	-0.08301 0.4189
cappen	0.55079 <.0001	0.51802 <.0001	0.69290 <.0001	0.00158 0.9878	0.09956 0.3319	-0.08301 0.4189	1.00000
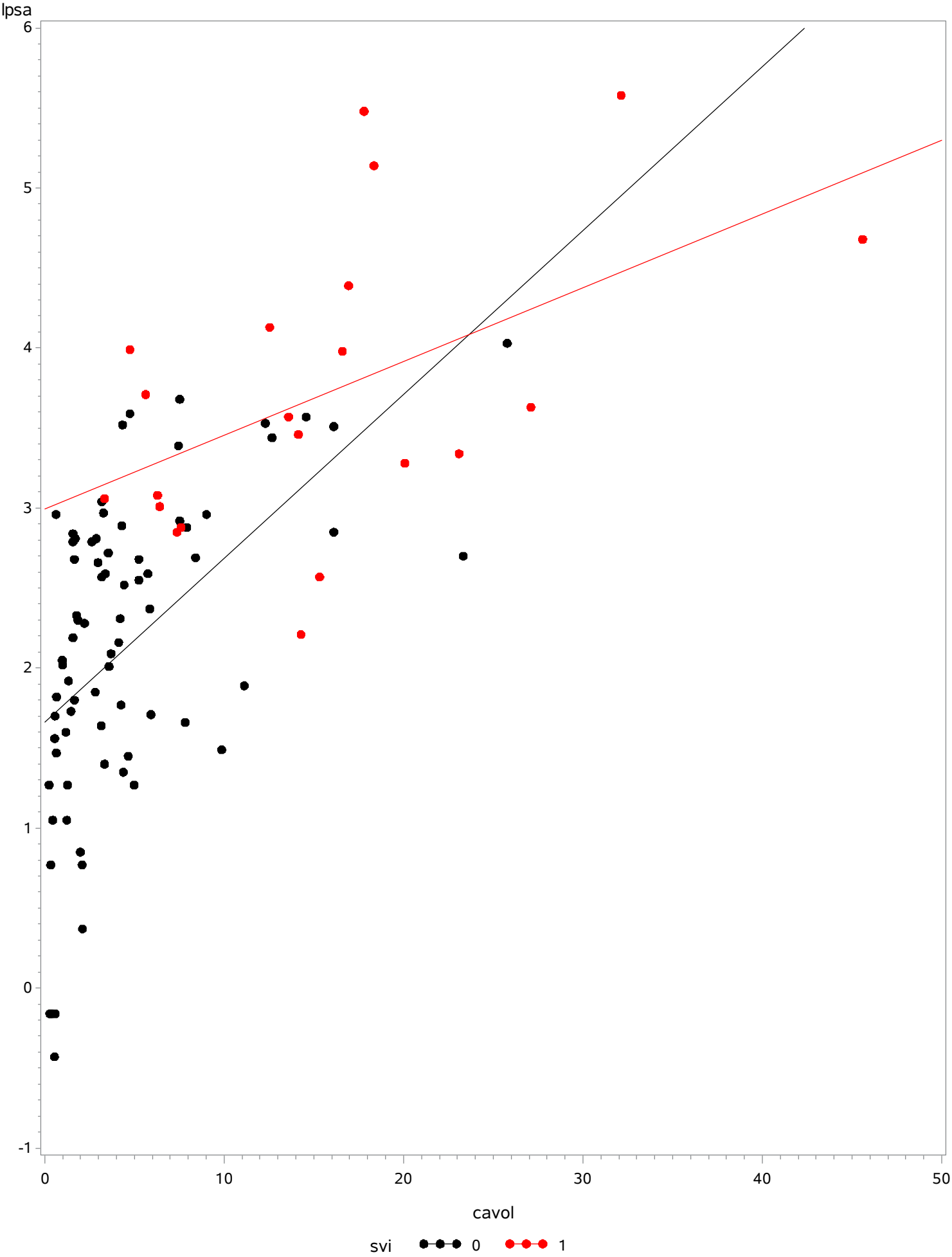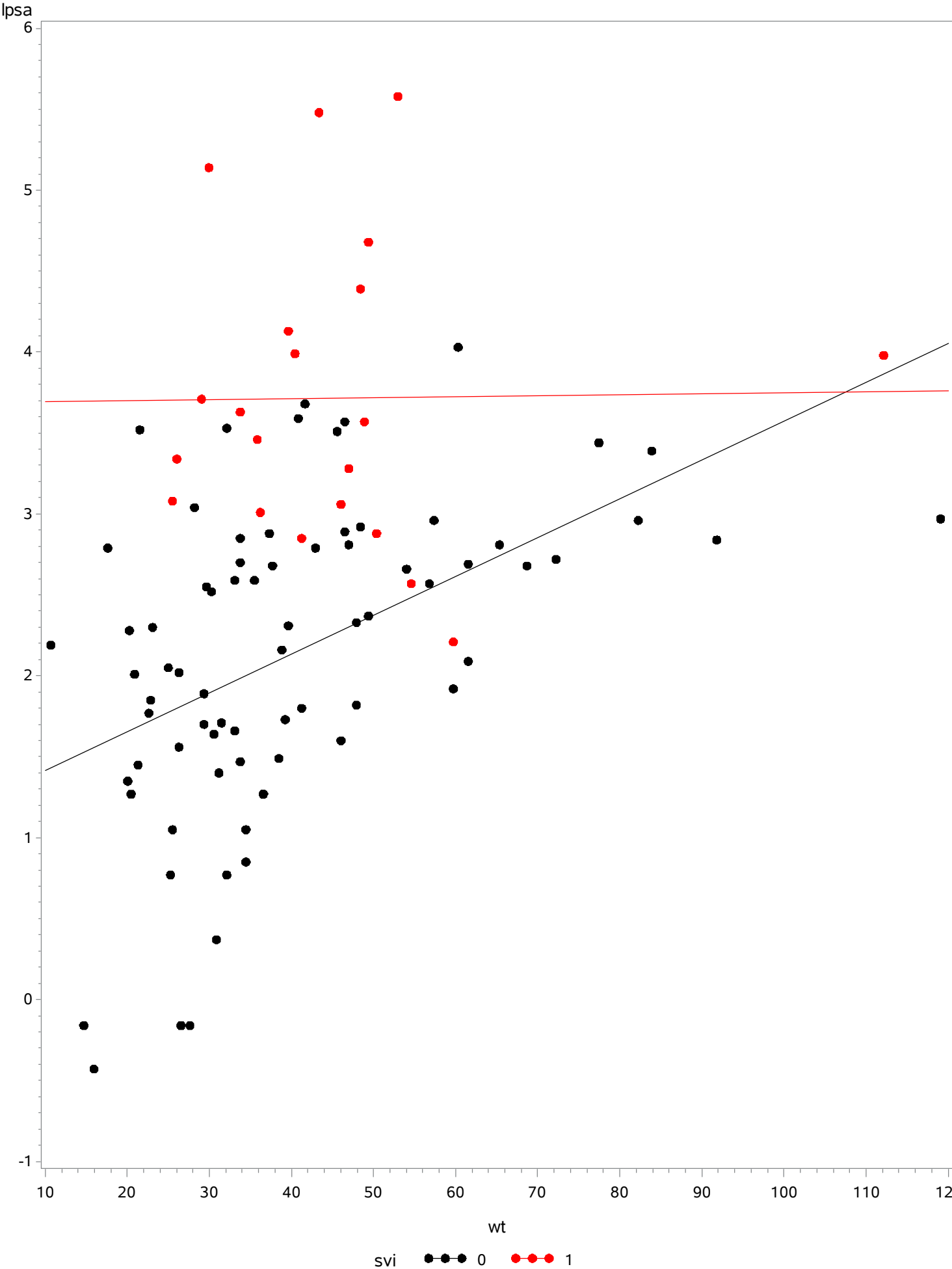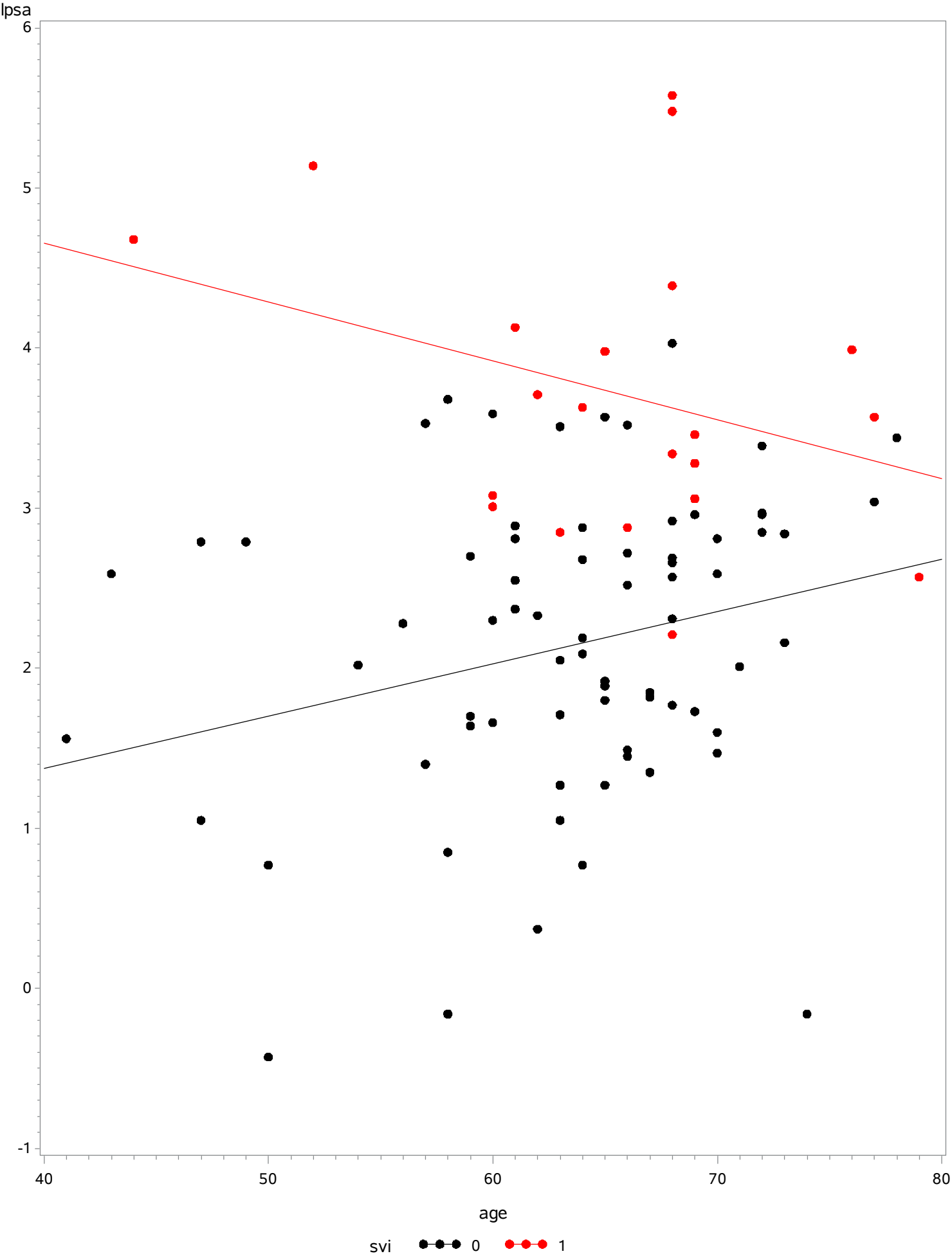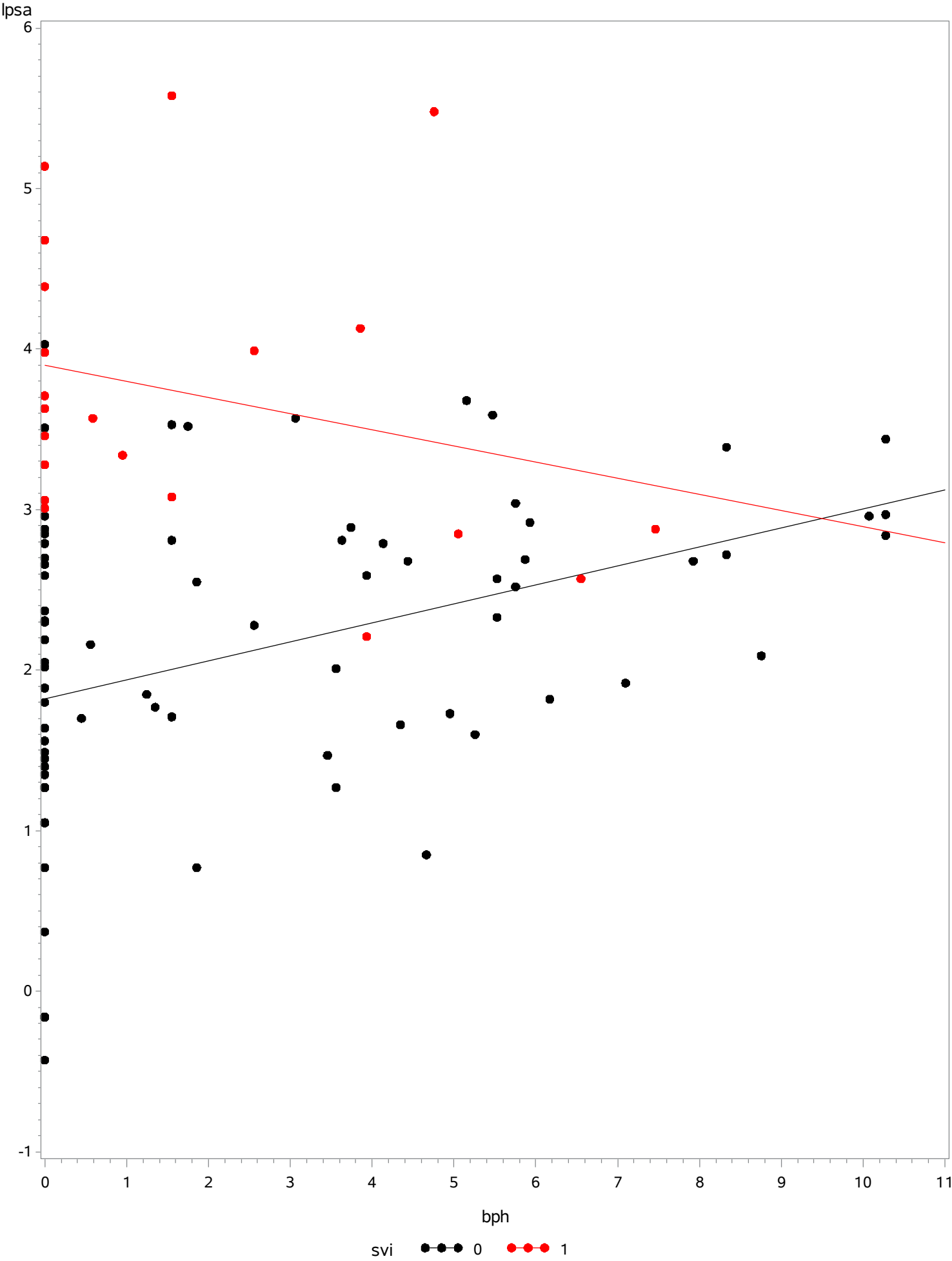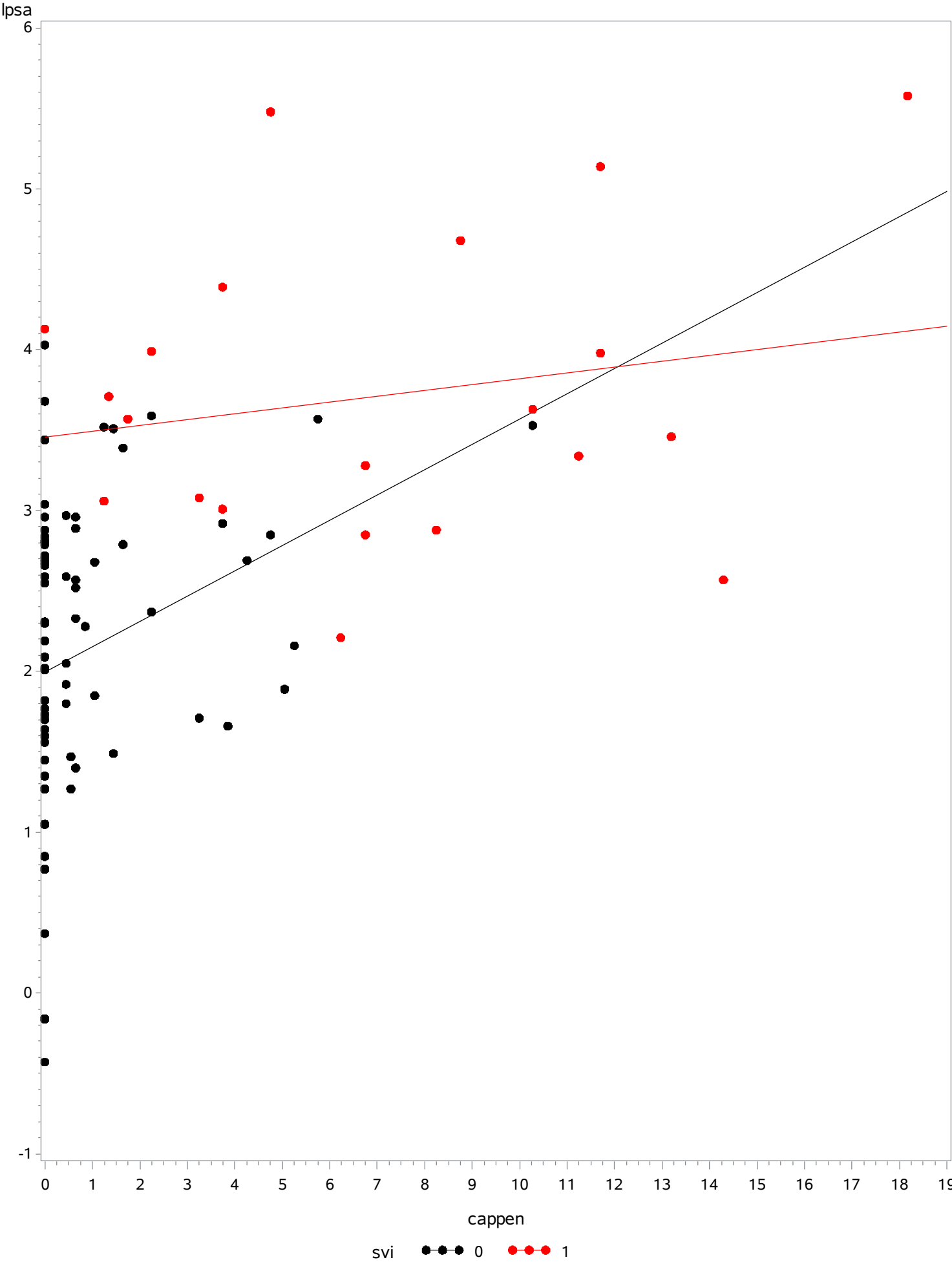
Descriptive Statistics for Continuous Variables in PSA-Project
~by SVI

The MEANS Procedure

svi=0

Variable	N	Mean	Std Dev	Minimum	Maximum
PSA	75	12.5228267	10.8406180	0.6510000	56.2610000
lpsa	75	2.1386783	0.9702703	-0.4292456	4.0300016
cavol	75	4.6465787	4.9988304	0.2592000	25.7903000
wt	75	40.1517733	19.4399139	10.6970000	119.1040000
age	75	63.3866667	7.3574624	41.0000000	78.0000000
bph	75	2.6875693	3.1702705	0	10.2779000
cappen	75	0.9114467	1.7945774	0	10.2779000

svi=1

Variable	N	Mean	Std Dev	Minimum	Maximum
PSA	21	64.5308571	72.9149243	9.1160000	265.0720000
lpsa	21	3.7152405	0.9247385	2.2100311	5.5800015
cavol	21	15.6753143	10.2070873	3.3535000	45.6042000
wt	21	45.2828571	18.0736805	25.5340000	112.1680000
age	21	65.5238095	7.8715885	44.0000000	79.0000000
bph	21	1.8488905	2.4293660	0	7.4633000
cappen	21	7.1162905	4.9952456	0	18.1741000

Descriptive Statistics for the Categorical Variables in PSA-Project

The FREQ Procedure

Frequency Percent Row Pct Col Pct	Table of svi by gleason			
	gleason			
svi	6	7	8	Total
0	31 32.29 41.33 96.88	34 35.42 45.33 79.07	10 10.42 13.33 47.62	75 78.13
1	1 1.04 4.76 3.13	9 9.38 42.86 20.93	11 11.46 52.38 52.38	21 21.88
Total	32 33.33	43 44.79	21 21.88	96 100.00

Correlations between all variables: By SVI

The CORR Procedure

svi=0

7 Variables:	PSA	lpsa	cavol	wt	age	bph	cappen

Simple Statistics						
Variable	**N**	**Mean**	**Std Dev**	**Sum**	**Minimum**	**Maximum**
PSA	75	12.52283	10.84062	939.21200	0.65100	56.26100
lpsa	75	2.13868	0.97027	160.40087	-0.42925	4.03000
cavol	75	4.64658	4.99883	348.49340	0.25920	25.79030
wt	75	40.15177	19.43991	3011	10.69700	119.10400
age	75	63.38667	7.35746	4754	41.00000	78.00000
bph	75	2.68757	3.17027	201.56770	0	10.27790
cappen	75	0.91145	1.79458	68.35850	0	10.27790

Pearson Correlation Coefficients, N = 75 Prob > |r| under H0: Rho=0							
	PSA	**lpsa**	**cavol**	**wt**	**age**	**bph**	**cappen**
PSA	1.00000	0.86010 <.0001	0.63760 <.0001	0.41148 0.0002	0.19204 0.0988	0.28281 0.0140	0.29032 0.0115
lpsa	0.86010 <.0001	1.00000	0.52806 <.0001	0.48090 <.0001	0.24791 0.0320	0.38569 0.0006	0.29120 0.0113
cavol	0.63760 <.0001	0.52806 <.0001	1.00000	0.15975 0.1710	0.17654 0.1297	-0.01180 0.9200	0.41613 0.0002
wt	0.41148 0.0002	0.48090 <.0001	0.15975 0.1710	1.00000	0.40307 0.0003	0.67777 <.0001	-0.01071 0.9273
age	0.19204 0.0988	0.24791 0.0320	0.17654 0.1297	0.40307 0.0003	1.00000	0.40863 0.0003	0.06143 0.6006
bph	0.28281 0.0140	0.38569 0.0006	-0.01180 0.9200	0.67777 <.0001	0.40863 0.0003	1.00000	-0.02458 0.8342
cappen	0.29032 0.0115	0.29120 0.0113	0.41613 0.0002	-0.01071 0.9273	0.06143 0.6006	-0.02458 0.8342	1.00000

Correlations between all variables: By SVI

The CORR Procedure

svi=1

7 Variables:	PSA	lpsa	cavol	wt	age	bph	cappen

Simple Statistics

Variable	N	Mean	Std Dev	Sum	Minimum	Maximum
PSA	21	64.53086	72.91492	1355	9.11600	265.07200
lpsa	21	3.71524	0.92474	78.02005	2.21003	5.58000
cavol	21	15.67531	10.20709	329.18160	3.35350	45.60420
wt	21	45.28286	18.07368	950.94000	25.53400	112.16800
age	21	65.52381	7.87159	1376	44.00000	79.00000
bph	21	1.84889	2.42937	38.82670	0	7.46330
cappen	21	7.11629	4.99525	149.44210	0	18.17410

Pearson Correlation Coefficients, N = 21
Prob > |r| under H0: Rho=0

	PSA	lpsa	cavol	wt	age	bph	cappen
PSA	1.00000	0.91543 <.0001	0.48341 0.0264	0.02087 0.9285	-0.21230 0.3555	-0.04262 0.8545	0.33075 0.1431
lpsa	0.91543 <.0001	1.00000	0.50834 0.0186	0.01172 0.9598	-0.31327 0.1667	-0.26411 0.2473	0.19462 0.3979
cavol	0.48341 0.0264	0.50834 0.0186	1.00000	0.12809 0.5800	-0.39847 0.0736	-0.24736 0.2797	0.56013 0.0083
wt	0.02087 0.9285	0.01172 0.9598	0.12809 0.5800	1.00000	0.16097 0.4858	0.06580 0.7769	0.24924 0.2759
age	-0.21230 0.3555	-0.31327 0.1667	-0.39847 0.0736	0.16097 0.4858	1.00000	0.29910 0.1878	-0.00738 0.9747
bph	-0.04262 0.8545	-0.26411 0.2473	-0.24736 0.2797	0.06580 0.7769	0.29910 0.1878	1.00000	0.04534 0.8453
cappen	0.33075 0.1431	0.19462 0.3979	0.56013 0.0083	0.24924 0.2759	-0.00738 0.9747	0.04534 0.8453	1.00000