

Example Report

John Q. Public

January 8, 2014

Contents




1	Descriptive Statistics	1
2	Relationships	5

List of Figures

1	Extended box plots for mean arterial blood pressure and serum creatinine	5
---	--	---

1 Descriptive Statistics

```
getHdata(support) # download from biostat.mc.vanderbilt.edu/DataSets
latex(describe(support), file='')
```

	support											
	35 Variables					1000 Observations						
<hr/>												
age : Age	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95	
	1000	0	970	62.47	33.76	38.91	51.81	64.90	74.50	81.87	86.00	
lowest :	18.04	18.41	19.76	20.30	20.31							
highest:	95.51	96.02	96.71	100.13	101.85							
<hr/>												
death : Death at any time up to NDI date:31DEC94	n	missing	unique	Sum	Mean							
	1000	0	2	668	0.668							
<hr/>												
sex	n	missing	unique									
	1000	0	2									
female (438, 44%), male (562, 56%)												
<hr/>												
hospdead : Death in Hospital	n	missing	unique	Sum	Mean							
	1000	0	2	253	0.253							
<hr/>												
slos : Days from Study Entry to Discharge	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95	
	1000	0	88	17.86	4	4	6	11	20	37	53	
lowest :	3	4	5	6	7							
highest:	145	164	202	236	241							
<hr/>												
d.time : Days of Follow-Up	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95	
	1000	0	582	475.7	5.0	8.0	27.0	256.5	725.0	1464.3	1757.1	
lowest :	3	4	5	6	7							
highest:	2006	2011	2022	2024	2029							

dzgroup

n missing unique
1000 0 8

	ARF/MOSF	w/Sepsis	COPD	CHF	Cirrhosis	Coma	Colon	Cancer	Lung	Cancer
Frequency			391	116	143	55	60		49	100
%			39	12	14	6	6		5	10
	MOSF	w/Malig								
Frequency		86								
%		9								

dzclass

n missing unique
1000 0 4

ARF/MOSF (477, 48%), COPD/CHF/Cirrhosis (314, 31%), Coma (60, 6%)
Cancer (149, 15%)

num.co : number of comorbidities

n missing unique Mean
1000 0 8 1.886

	0	1	2	3	4	5	6	7
Frequency	120	337	269	151	76	29	17	1
%	12	34	27	15	8	3	2	0

edu : Years of Education

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
798	202	25	11.78	6	8	10	12	14	16	18

lowest : 0 1 2 3 4, highest: 20 21 22 24 30

income

n missing unique
651 349 4

under \$11k (309, 47%), \$11-\$25k (161, 25%), \$25-\$50k (106, 16%)
>\$50k (75, 12%)

scoma : SUPPORT Coma Score based on Glasgow D3

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
1000	0	11	11.74	0.0	0.0	0.0	0.0	9.0	44.0	62.4

	0	9	26	37	41	44	55	61	89	94	100
Frequency	704	83	58	24	19	45	11	6	8	7	35
%	70	8	6	2	2	4	1	1	1	1	4

charges : Hospital Charges

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
975	25	967	56271	3757	4688	10029	26499	63622	147109	223582

lowest : 1636 1680 1830 2045 2082
highest: 504660 538323 543761 706577 740010

totcst : Total RCC cost

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
895	105	895	30490	2484	3081	5899	15110	37598	72906	114932

lowest : 0 1162 1201 1285 1396
highest: 269131 299966 338955 357919 390460

totmcs : Total micro-cost

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
628	372	617	26168	1653	2548	5297	13828	33691	66229	96753

lowest : 0.0 829.6 834.6 914.4 1016.4
highest: 154709.0 198047.0 234875.9 246904.0 271467.2

avtisst : Average TISS, Days 3-25

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
994	6	241	22.64	6.00	8.00	12.00	19.00	31.75	43.33	48.00

lowest : 1.667 2.500 3.000 3.500 4.000
highest: 58.500 59.000 60.000 61.000 64.000

race

	n	missing	unique
	995	5	5

	white	black	asian	other	hispanic
Frequency	781	157	9	12	36
%	78	16	1	1	4

meanbp : Mean Arterial Blood Pressure Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	1000	0	122	84.98	47.00	55.00	64.75	78.00	107.00	120.00	128.05

lowest : 0 20 27 30 32, highest: 155 158 161 162 180

wbcl : White Blood Cell Count Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	976	24	282	12.4	2.475	4.800	6.899	10.449	15.500	22.248	27.524

lowest : 0.05000 0.06999 0.09999 0.14999 0.19998
highest: 60.00000 61.19531 67.09375 79.39062 100.00000

hrt : Heart Rate Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	1000	0	124	97.87	54.0	60.0	72.0	100.0	120.0	135.0	146.1

lowest : 0 11 30 35 36, highest: 189 193 199 232 300

resp : Respiration Rate Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	1000	0	45	23.49	9	10	18	24	29	36	40

lowest : 0 4 6 7 8, highest: 48 49 52 60 64

temp : Temperature (celcius) Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	1000	0	64	37.08	35.50	35.80	36.20	36.70	38.09	38.80	39.20

lowest : 32.50 33.70 34.00 34.09 34.40
highest: 40.20 40.59 40.90 41.00 41.20

pafi : PaO2/(.01*FiO2) Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	747	253	463	244.2	92.61	115.00	156.33	226.66	310.00	400.00	442.81

lowest : 34.00 39.00 45.00 48.00 53.33
highest: 600.00 623.75 640.00 680.00 869.38

alb : Serum Albumin Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	622	378	38	2.917	1.800	2.000	2.400	2.800	3.400	4.000	4.199

lowest : 1.100 1.200 1.300 1.400 1.500
highest: 4.500 4.600 4.699 4.800 4.899

bili : Bilirubin Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	703	297	115	2.527	0.3000	0.3000	0.5000	0.7999	1.7998	5.8594	12.5896

lowest : 0.09999 0.19998 0.29999 0.39996 0.50000
highest: 32.39844 33.00000 35.00000 39.29688 50.09375

crea : Serum creatinine Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	997	3	87	1.808	0.6000	0.7000	0.8999	1.2000	1.8999	3.6396	5.5996

lowest : 0.3 0.4 0.5 0.6 0.7, highest: 10.4 10.6 11.2 11.6 11.8

sod : Serum sodium Day 3

	n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
	1000	0	42	137.7	129	131	134	137	141	145	148

lowest : 118 120 121 122 123, highest: 156 157 158 168 175

ph : Serum pH (arterial) Day 3

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
750	250	53	7.416	7.289	7.319	7.380	7.420	7.470	7.500	7.520

lowest : 6.960 6.989 7.069 7.119 7.130
highest: 7.590 7.600 7.609 7.659 7.670

glucose : Glucose Day 3

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
530	470	226	156.4	74.0	82.0	100.0	128.0	185.0	269.3	327.5

lowest : 11 25 30 42 51, highest: 492 512 528 576 598

bun : BUN Day 3

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
545	455	106	32.61	7.0	9.0	14.0	23.0	43.0	68.6	88.8

lowest : 1 2 3 4 5, highest: 124 125 127 128 146

urine : Urine Output Day 3

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
483	517	359	2194	141.7	600.0	1208.5	1925.0	2900.0	4087.6	4822.5

lowest : 0 1 5 8 15, highest: 7275 7360 7455 7560 7750

adlp : ADL Patient Day 3

n	missing	unique	Mean
366	634	8	1.246

	0	1	2	3	4	5	6	7
Frequency	194	73	28	20	12	19	16	4
%	53	20	8	5	3	5	4	1

adls : ADL Surrogate Day 3

n	missing	unique	Mean
690	310	8	1.755

	0	1	2	3	4	5	6	7
Frequency	313	126	54	39	42	34	52	30
%	45	18	8	6	6	5	8	4

sfdm2

n	missing	unique
841	159	5

no(M2 and SIP pres) (326, 39%), adl>=4 (>=5 if sur) (111, 13%)
SIP>=30 (59, 7%), Coma or Intub (7, 1%), <2 mo. follow-up (338, 40%)

adlsc : Imputed ADL Calibrated to Surrogate

n	missing	unique	Mean	.05	.10	.25	.50	.75	.90	.95
1000	0	251	1.98	0.000	0.000	0.000	1.670	3.042	5.000	6.000

lowest : 0.0000 0.4948 0.4948 1.0000 1.1667
highest: 5.9932 6.0000 6.3398 6.4658 7.0000

2 Relationships

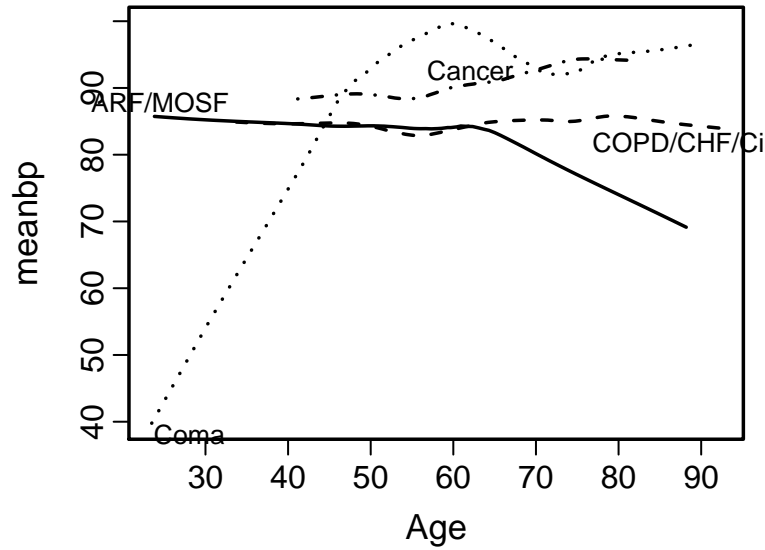
```
with(support , table(dzclass , dzgroup))
```

dzclass	dzgroup	ARF/MOSF	w/Sepsis	COPD	CHF	Cirrhosis
ARF/MOSF			391	0	0	0
COPD/CHF/Cirrhosis			0	116	143	55
Coma			0	0	0	0
Cancer			0	0	0	0

dzclass	dzgroup	Coma	Colon Cancer	Lung Cancer
ARF/MOSF		0	0	0
COPD/CHF/Cirrhosis		0	0	0

Coma	60	0	0
Cancer	0	49	100
	dzgroup		
dzclass	MOSF w/Malig		
ARF/MOSF	86		
COPD/CHF/Cirrhosis	0		
Coma	0		
Cancer	0		

```
with(support, plsmo(age, meanbp, group=dzclass)) # in-line figure
```



```
# Floating figure environment, allowing caption and cross-referencing
bpplotM(meanbp + crea ~ dzgroup, data=support, cex.strip=.75)
```

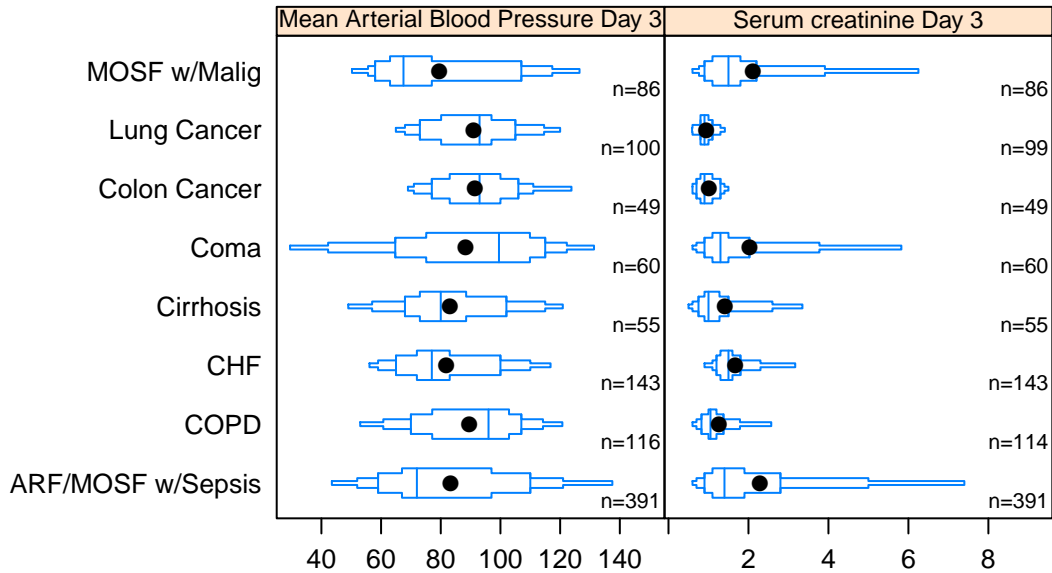


Figure 1: Extended box plots for mean arterial blood pressure and serum creatinine