Untitled

asaa

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R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see http://rmarkdown.rstudio.com.

When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

summary(cars)

```
##
        speed
                         dist
##
    Min.
           : 4.0
                    Min.
                           : 2.00
##
    1st Qu.:12.0
                    1st Qu.: 26.00
    Median:15.0
                    Median: 36.00
##
##
    Mean
            :15.4
                    Mean
                           : 42.98
##
    3rd Qu.:19.0
                    3rd Qu.: 56.00
##
    Max.
            :25.0
                    Max.
                           :120.00
```

Including Plots

You can also embed plots, for example:



Note that the \mbox{echo} = FALSE parameter was added to the code chunk to prevent printing of the R code that generated the plot.

```
library(oibiostat)
data("famuss")
famuss
```

##		ndrm.ch	drm.ch	sex	age	race	height	weight	actn3.r577x	bmi
##	1	40.0	40.0	${\tt Female}$	27	Caucasian	65.0	199.0	CC	33.112
##	2	25.0	0.0	Male	36	Caucasian	71.7	189.0	CT	25.845
##	3	40.0	0.0	${\tt Female}$	24	Caucasian	65.0	134.0	CT	22.296
##	4	125.0	0.0	${\tt Female}$	40	Caucasian	68.0	171.0	CT	25.998
##	5	40.0	20.0	${\tt Female}$	32	Caucasian	61.0	118.0	CC	22.293
##	6	75.0	0.0	${\tt Female}$	24	Hispanic	62.2	120.0	CT	21.805
##	7	100.0	0.0	${\tt Female}$	30	Caucasian	65.0	134.0	TT	22.296
##	9	57.1	-14.3	${\tt Female}$	28	Caucasian	68.0	162.0	CT	24.629
##	10	33.3	0.0	Male	27	Hispanic	68.2	189.0	CC	28.566
##	12	20.0	0.0	${\tt Female}$	30	Caucasian	62.2	120.0	CT	21.805
##	13	25.0	25.0	${\tt Female}$	20	Caucasian	69.0	131.0	CT	19.343
##	14	100.0	25.0	${\tt Female}$	23	${\tt African}\ {\tt Am}$	62.0	108.0	CT	19.751
##	16	28.6	12.5	${\tt Female}$	24	Caucasian	67.2	158.0	TT	24.597
##	19	7.1	-7.1	Male	34	Caucasian	73.0	233.0	CT	30.737
##	20	75.0	20.0	${\tt Female}$	31	Caucasian	67.5	141.0	CC	21.755
##	21	12.5	0.0	Male	38	Caucasian	70.0	155.0	CT	22.238
##	22	60.0	0.0	${\tt Female}$	39	${\tt African}\ {\tt Am}$	68.0	178.0	CC	27.062
##	23	40.0	33.3	${\tt Female}$	26	${\tt African}\ {\tt Am}$	61.0	103.0	CC	19.460
##	24	20.0	0.0	${\tt Female}$	30	Caucasian	69.0	193.0	TT	28.498

##	25	25.0	-13.3	Male	35	Caucasian	68.5	147.0	TT 22.024
##	28	37.5	-10.0	Male	33	Asian	66.5	145.0	CT 23.050
##	31	0.0	0.0	Female	23	Caucasian	67.5	148.0	CT 22.835
##	32	0.0	25.0	Female	22	Other	63.0	114.0	CC 20.192
##	33	40.0		Female	25	African Am	68.5	133.0	CC 19.926
##	35	133.3		Female	20	Caucasian	64.0	111.0	CC 19.051
##	36	25.0		Female	25	Hispanic	60.5	107.0	CT 20.551
##	39	33.3		Female	24	Caucasian	67.5	142.0	CC 21.910
##	41	40.0	0.0	Male	26	Other	67.5	194.0	CT 29.933
##	43	33.3		Female	38	African Am	65.5	192.0	TT 31.461
##	45	33.3	-16.7	Female	31	Caucasian	69.0	202.0	TT 29.827
##	47	40.0	-20.0	Female	22	Hispanic	66.0	160.0	TT 25.822
##	50	100.0		Female	22	Caucasian	62.5	139.0	TT 25.016
##	51	75.0		Female	26	Asian	65.0	164.0	TT 27.288
##	52	22.2	-20.0	Male	27	African Am	73.5	141.0	TT 18.348
##	53	100.0	25.0	Female	31	Caucasian	65.0	128.0	TT 21.298
##	54	20.0	0.0	Female	31	Asian	64.5	112.0	CC 18.926
##	55	33.3	0.0	Female	35	Asian	65.0	140.0	CC 23.295
##	57	27.3	16.7	Male	33	Caucasian	74.5	261.0	CT 33.059
##	58	20.0	20.0	Female	21	Caucasian	62.0	124.0	CC 22.677
##	62	6.3	16.7	Female	40	Hispanic	69.5	132.0	TT 19.211
##	63	30.0	0.0	Female	23	Hispanic	63.2	129.0	TT 22.704
##	64	8.3	50.0	Female	32	African Am	66.0	187.0	CC 30.179
##	65	10.0	-15.0	Male	35	Caucasian	70.0	186.0	CT 26.685
##	66	25.0	8.3	Female	37	Caucasian	66.3	147.0	CC 23.510
##	67	62.5	0.0	Female	20	Caucasian	67.0	138.0	TT 21.611
##	68	22.2	11.1	Male	27	Caucasian	64.5	138.0	TT 23.319
##	69	16.7	0.0	Male	33	Other	67.0	134.0	CC 20.985
##	70	33.3	0.0	Female	27	Caucasian	64.3	125.0	TT 21.254
##	71	0.0	-14.3	Female	22	Hispanic	61.0	126.0	TT 23.805
##	72	0.0	0.0	Female	39	Caucasian	66.7	136.0	CC 21.490
	73	66.7	16.7	Female	20	Caucasian	66.5	115.0	CC 18.281
	74	50.0		Female	35	Caucasian	64.7	130.0	CC 21.832
	76	50.0		Female	22	Other	72.0	156.0	CT 21.155
	77	62.5		Female	33	Hispanic	65.7	119.0	CC 19.381
##	78	66.7		Female	30	Caucasian	66.0	146.0	CC 23.562
	129	75.0	22.2	Male	20	Caucasian	69.0	129.0	TT 19.048
	130	27.3	0.0	Male	19	Caucasian	68.0	208.0	CC 31.623
	131	44.4	0.0	Male	26	Caucasian	65.5	135.0	TT 22.121
	132	37.5		Female			63.0	183.0	CC 32.413
	133	44.4	10.0	Male	20	Caucasian	69.0	177.0	CC 26.135
	136	30.0	0.0	Male	19	Caucasian	70.0	159.0	CT 22.812
	137 138	40.0 33.3		Female	18 19	Other Asian	68.0 65.0	128.0 126.0	CT 19.460 CT 20.965
	144	27.3	16.7	Female	20		67.0	225.0	CC 35.236
	148	27.3	0.0	Male Male	19	Caucasian Caucasian	66.0	156.0	CC 35.236
	152	14.3		Female	19	Caucasian	66.5	147.0	CC 23.368
	154	60.0		Female	19	Caucasian	64.5	117.0	CT 19.771
	157	33.3		Female	34	Asian	62.5	130.0	CC 23.396
	158	60.0		Female	20	Caucasian	67.0	164.0	CT 25.683
	160	57.1		Female	21	Caucasian	68.0	149.0	CT 22.653
	161	44.4	0.0	Male	25	Caucasian	70.0	164.0	TT 23.529
	162	50.0	33.3	Male	21	Asian	68.0	146.0	CT 22.197
	165	60.0		Female	20	Caucasian	64.0	134.0	CC 22.999
		50.5	-0.0			Jacobian	J 1. V		00 22.000

		00.4							o o
	167	36.4	9.1	Male	22	Asian	68.0	178.0	TT 27.062
	168	45.5	-14.3	Male	23	Hispanic	67.0	160.0	CT 25.057
	173	50.0		Female	17	Caucasian	67.5	135.0	CT 20.830
	174	66.7		Female	18	Asian	62.0	154.0	TT 28.164
	175	71.4		Female	18	Other	67.0	148.0	CT 23.178
	176	61.5	30.8	Male	21	Caucasian	66.5	196.0	CC 31.158
	178	33.3		Female	20	Caucasian	68.0	180.0	CT 27.366
	179	72.7	0.0	Male	19	Caucasian	67.0	195.0	CC 30.538
	182	57.1		Female	20	Caucasian	69.2	150.0	CC 22.021
##	183	80.0		Female	22	Caucasian	65.5	149.0	CT 24.415
##	184	58.3	16.7	Male	18	Hispanic	71.0	227.0	CT 31.657
##	186	66.7		Female	18	Other	62.5	152.0	CT 27.355
##	188	140.0		Female	19	Caucasian	62.0	188.0	TT 34.382
##	189	33.3	0.0	Male	19	Caucasian	69.0	160.0	TT 23.625
	191	45.5	18.2	Male		African Am	70.2	162.0	TT 23.110
	192	50.0		Female	22	Asian	68.0	140.0	TT 21.285
	193	60.0		Female	18	African Am	66.0	132.0	TT 21.303
	194	13.3	7.7	Male	23	Caucasian	75.5	291.0	TT 35.888
	195	38.5	0.0	Male	23	Hispanic	66.2	156.0	TT 25.024
	197	44.4	22.2	Male	25	Hispanic	68.0	179.0	CT 27.214
	200	125.0		Female	23	Caucasian	64.0	133.0	TT 22.827
	201	40.0		Female	23	Caucasian	65.0	114.0	CT 18.969
	202	33.3		Female	22	Caucasian	71.0	129.0	CT 17.990
	204	62.5	25.0	Male	19	Caucasian	72.0	161.0	TT 21.833
	205	100.0		Female	23	Caucasian	63.5	195.0	CT 33.997
	206	50.0	25.0	Male	18	Caucasian	74.0	183.0	CT 23.493
	209	114.3		Female	19	Caucasian	63.0	179.0	CT 31.705
	213	33.3	0.0	Male	26	Caucasian	67.0	151.0	TT 23.647
	214	50.0		Female	27	Caucasian	61.0	179.0	TT 33.818
	216	100.0		Female	23	African Am	62.0	130.0	CT 23.775
	217	75.0		Female	23	Caucasian	63.0	127.0	TT 22.495
	218219	30.0 100.0	0.0	Male	28 25	Caucasian African Am	69.0 66.0	186.0	CT 27.464 CC 22.756
	219	60.0		Female Female	25 19			141.0	TT 24.200
	221		6.7	Male	19	Caucasian Caucasian	64.0	141.0	CT 33.748
	222	34.6 34.8	20.0	Male	28	Caucasian	71.0 72.0	242.0 153.0	TT 20.748
	223	122.2		Female	22	Caucasian	68.0	190.0	CC 28.886
	224	37.5		Female	26	Asian	63.0	125.0	CT 22.140
	225	19.2	-3.6		26	Asian	69.0	203.0	CC 29.975
	226	120.0		Female	20	Caucasian	61.2	101.0	CT 18.957
	229	81.8		Female	19	Caucasian	66.0	131.0	CT 21.142
	230	18.2		Female	18	Caucasian	65.0	125.0	TT 20.799
	232	42.9		Female	24	Other	65.2	193.0	CT 31.917
	234	111.1		Female		African Am	65.0	121.0	CC 20.133
	235	90.0		Female	18	Caucasian	57.3	136.0	CT 29.170
	236	83.3		Female	19	Caucasian	63.5	153.0	CT 26.675
	237	90.0		Female	18	Caucasian	65.7	131.0	TT 21.335
	238	114.3		Female	18	Caucasian	67.0	128.0	CC 20.045
	239	72.7		Female		African Am	65.5	115.0	CC 18.844
	240	109.1		Female		African Am	65.5	123.0	CT 20.155
	241	60.0		Female	19	Asian	60.0	105.0	TT 20.504
	242	114.3		Female	20	Caucasian	63.0	133.0	CC 23.557
	243	100.0		Female	18	Caucasian	63.0	109.0	CC 19.306
	322	16.7	0.0	Male	33	Caucasian	70.0	177.0	CT 25.394
11 11		10.1	0.0	11410	50	Judoubluff	, , , ,	10	01 20.004

##	323	80.0	20.0	Female	31	Caucasian	66.0	160.0	TT 25.822
##	326	66.7		Female	25	Caucasian	64.0	196.0	CC 33.640
##	327	100.0	0.0	Female	19	Caucasian	69.0	165.0	CT 24.364
##	328	25.0	0.0	Male	24	Other	62.5	147.0	CT 26.455
##	329	62.5	11.1	Male	34	Caucasian	73.0	169.0	CC 22.294
##	332	27.3	-8.3	Male	23	Caucasian	69.5	136.0	CT 19.794
##	333	60.0	0.0	Female	21	Other	62.5	150.0	CT 26.995
##	334	50.0		Female	27	Hispanic	57.5	109.0	TT 23.176
##	335	100.0		Female	36	African Am	62.0	144.0	CC 26.335
##	336	20.0		Female	33	African Am	64.5	126.0	CC 21.292
##	337	100.0	0.0	Female	34	Caucasian	67.5	123.0	TT 18.978
##	338	20.0	7.4	Male	40	Caucasian	72.5	212.0	CC 28.354
##	339	40.0	0.0	Female	26	Caucasian	64.3	133.0	CT 22.614
##	340	60.0	0.0	Female	28	Caucasian	64.8	124.0	CT 20.760
##	341	100.0	25.0	Female	34	Caucasian	69.8	140.0	CT 20.201
##	342	28.6	0.0	Female	34	Caucasian	69.8	130.0	CT 18.758
##	344	15.4	7.1	Male	28	African Am	69.3	256.0	CT 37.474
##	345	50.0	16.7	Male	27	Caucasian	68.2	144.0	CT 21.765
##	346	5.9	0.0	Male	29	Caucasian	66.5	169.0	CC 26.866
##	347	55.6	20.0	Male	22	African Am	68.5	173.0	CC 25.919
##	349	60.0	0.0	Female	29	Caucasian	62.5	163.0	CT 29.335
##	350	150.0	0.0	Female	38	Caucasian	65.0	155.0	TT 25.791
##	351	50.0	0.0	Female	28	Asian	61.0	112.0	CC 21.160
##	354	16.7	8.3	Male	34	Caucasian	70.0	305.0	CT 43.758
##	355	33.3	-16.7	Female	21	Caucasian	63.0	114.0	TT 20.192
##	356	18.8	13.3	Male	27	Other	72.0	228.0	CT 30.919
##	357	20.0	-33.3	Female	39	Caucasian	65.0	173.0	CT 28.786
##	359	42.9	0.0	Male	28	Asian	71.0	144.0	CC 20.082
##	360	25.0	0.0	Female	30	Caucasian	64.2	135.0	CT 23.026
##	361	50.0	0.0	Female	21	Caucasian	65.8	138.0	CT 22.407
##	362	50.0		Female	31	Caucasian	69.2	202.0	TT 29.655
	364	100.0		Female	22	Hispanic	62.5	157.0	CC 28.255
	365	40.0		Female	23	Caucasian	65.0	114.0	CC 18.969
	366	116.7		Female	26	African Am	65.5	182.0	CC 29.823
	368	26.7	0.0	Male	39	Caucasian	69.0	191.0	CT 28.203
##	370	50.0		Female	23	Caucasian	66.0	127.0	CT 20.496
##	371	25.0	0.0	Male	38	Caucasian	70.5	209.0	CT 29.561
##	372	57.1	-14.3	Male	22	Caucasian	66.0	167.0	CT 26.952
	373	40.0		Female	34	Caucasian	62.0	126.0	CC 23.043
	374	40.0		Female	36	Caucasian	66.0	143.0	CT 23.078
	375	50.0	10.0	Male	30	Caucasian	68.8	211.0	CT 31.337
	377	150.0		Female	21	Caucasian	65.0	131.0	TT 21.797
	378	18.2	-7.7	Male	21	Caucasian	68.7	172.0	CT 25.619
	379	50.0	0.0	Male	32	Asian	68.7	155.0	TT 23.087
	381	36.4	8.3	Male	25	Other	72.5	177.0	TT 23.673
	383	33.3		Female	23	Caucasian	63.0	138.0	CT 24.443
	384	66.7		Female	20	Caucasian	62.5	98.0	TT 17.637
	385	57.1	10.0	Male	30	Asian	65.5	147.0	CT 24.087
	386	40.0	0.0	Male	39	Asian	69.0	132.0	CC 19.491
	387	20.0	-8.3	Male	22	Asian	71.0	193.0	CT 26.915
	388 389	20.0 20.0	0.0	Male Female	29 24	Asian Asian	68.0 60.5	166.0 140.0	CC 25.237 CC 26.889
	392	36.4	0.0	Male	36	Hispanic	65.5	241.0	CT 39.490
	394	42.9		Female	38	Hispanic	60.5	171.0	TT 32.843
17 11	00 1	74.3	17.3	remare	50	1112 PallIC	50.5	111.0	11 32.043

##	395	18.8	0.0	Male	32	Hispanic	68.2	190.0	CC 28.717
##	396	30.8	-6.7	Male	32	Caucasian	73.8	217.0	CC 28.009
##	397	16.7		Female	36	Caucasian	63.7	184.0	CC 31.878
##	477	50.0	14.3	Male	23	Caucasian	69.4	175.0	CC 25.543
##	478	10.0	-10.0	Male	25	Caucasian	70.4	169.0	CT 23.972
##	479	75.0		Female	26	Other	67.6	175.0	CT 26.922
##	481	33.3		Female	26	Caucasian	67.0	141.0	CC 22.081
##	482	33.3	0.0	Male	22	Caucasian	75.0	213.0	CC 26.620
##	483	54.5	18.2	Male	20	Caucasian	72.0	177.0	TT 24.003
##	484	18.2	10.0	Male	21	Caucasian	65.0	143.0	CT 23.794
##	485	50.0	0.0	Male	25	Asian	67.6	144.0	CC 22.153
##	486	80.0	0.0	Female	21	Caucasian	60.7	141.0	CC 26.903
##	489	75.0	0.0	Female	23	Caucasian	64.5	132.0	CT 22.305
##	490	20.0	-10.0	Male	21	Caucasian	73.2	168.0	TT 22.042
##	492	22.2	0.0	Male	22	Caucasian	67.5	155.0	CC 23.916
##	494	44.4	-20.0	Male	21	Caucasian	70.0	159.0	CC 22.812
##	495	20.0	-27.3	Male	23	Caucasian	70.0	144.0	TT 20.660
##	496	150.0	20.0	Female	20	Caucasian	64.0	134.0	CT 22.999
##	498	44.4	9.1	Male	25	Caucasian	69.5	160.0	TT 23.287
##	500	75.0	12.5	Male	18	Caucasian	71.2	155.0	CC 21.494
##	501	60.0	0.0	Male	18	Caucasian	72.4	185.0	CT 24.811
##	502	37.5	0.0	Male	24	Caucasian	71.0	168.0	CT 23.429
##	505	62.5	25.0	Male	22	Caucasian	74.4	169.0	TT 21.463
##	506	27.3	8.3	Male	20	Caucasian	75.3	187.0	CT 23.185
##	507	42.9	25.0	Male	20	Caucasian	66.9	152.0	CT 23.875
##	508	25.0	7.7	Male	29	Caucasian	72.4	186.0	TT 24.945
##	509	33.3	10.0	Male	29	Asian	66.5	144.0	CT 22.892
##	511	25.0	8.3	Male	22	Caucasian	71.0	183.0	CT 25.521
##	512	36.4	0.0	Male	30	Other	70.3	143.0	CC 20.341
##	513	22.2	9.1	Male	25	Caucasian	68.1	176.0	CC 26.679
##	514	33.3	14.3	Female	20	Caucasian	66.3	146.0	CC 23.350
	517	57.1	0.0	Male	33	Caucasian	70.5	159.0	CT 22.489
	518	30.0	10.0	Male	25	Caucasian	67.9	158.0	TT 24.092
	522	60.0		Female	19	Caucasian	63.4	121.0	CT 21.162
	523	200.0		Female	18	Caucasian	67.0	160.0	CT 25.057
##	524	100.0		Female	18	Caucasian	67.0	192.0	CT 30.068
	525	100.0		Female	19	Caucasian	67.0	151.0	CC 23.647
	526	62.5	0.0	Male	18	Caucasian	67.6	139.0	CT 21.383
	527	40.0	18.2	Male	19	Caucasian	70.0	177.0	TT 25.394
	528	71.4	0.0	Male	18	Caucasian	67.0	151.0	CT 23.647
	529	60.0		Female	18	Caucasian	64.4	145.0	CT 24.578
	530	87.5	0.0	Male	18	Caucasian	67.0	125.0	CT 19.576
	531	100.0	37.5	Male	18	Caucasian	71.0	162.0	CT 22.592
	532	33.3	8.3	Male	19	Caucasian	74.0	154.0	CT 19.770
	533	100.0		Female	19	Caucasian	63.0	124.0	CT 21.963
	534	100.0		Female	19	Caucasian	65.5	126.0	CT 20.646
	535	33.3		Female	19	Caucasian	64.7	125.0	CC 20.992
	536	100.0	20.0	Male	18	Caucasian	67.3	139.0	CC 21.574
	537	30.0	0.0	Male	18	Caucasian	68.0	192.0	CT 29.190
	538	60.0		Female	19	Caucasian	64.0	122.0	TT 20.939
	539	50.0	9.1	Male	21	Caucasian	70.0	157.0	CC 22.525
	540 5/1	250.0		Female	19 18	Caucasian	62.1	116.0	CT 21.146
	541 543	100.0		Female	18	Caucasian	66.6	143.0	CT 22.664
##	543	120.0	∠0.0	Female	20	Caucasian	66.5	134.0	CT 21.302

##	544	66.7	16.7	Female	19	Caucasian	65.1	166.0	CC 27.536
##	545	120.0	40.0	Female	18	Caucasian	65.0	134.0	CT 22.296
##	547	50.0	0.0	Male	19	Caucasian	71.0	153.0	CC 21.337
##	551	100.0	20.0	Female	18	Caucasian	67.3	154.0	CT 23.903
##	552	75.0	0.0	Female	18	Caucasian	67.0	131.0	CT 20.515
##	555	50.0	10.0	Male	24	Caucasian	72.0	168.0	CC 22.782
##	556	33.3	0.0	Male	36	Caucasian	71.0	191.0	CT 26.636
##	560	30.0	0.0	Male	20	Caucasian	71.0	159.0	CC 22.174
##	561	80.0	16.7	Male	21	Caucasian	68.0	162.0	CT 24.629
##	563	20.0	0.0	Male	20	Caucasian	71.2	151.0	CT 20.940
##	564	85.7	0.0	Male	24	Caucasian	71.3	158.0	CT 21.849
##	566	33.3	11.1	Male	18	Caucasian	70.3	162.0	CC 23.044
##	569	50.0		Female	20	Caucasian	61.0	114.0	CC 21.538
##	571	125.0		Female	23	Caucasian	64.0	182.0	TT 31.237
##	572	38.5	16.7	Male	19	Caucasian	66.5	164.0	TT 26.071
##	573	75.0	16.7	Male	25	Caucasian	67.7	217.0	CC 33.284
##	574	50.0	27.3	Male	26	Other	67.8	121.0	CC 18.505
##	575	85.7	11.1	Male	24	Other	72.6	135.0	TT 18.006
##	579	150.0	80.0	Male	30	Other	66.5	105.0	CC 16.692
##	582	57.1	11.1	Male	24	Caucasian	67.2	129.0	CT 20.082
##	646	30.0	0.0	Male	25	Caucasian	68.0	143.0	TT 21.741
##	647	100.0		Female	26	Caucasian	62.5	151.0	CT 27.175
##	648	62.5	0.0	Male	25	Caucasian	67.5	191.0	CT 29.470
##	649	25.0		Female	39	Caucasian	66.0	135.0	CT 21.787
##	650	42.9		Female	21	Caucasian	65.5	163.0	CC 26.709
##	651	62.5	0.0	Male	25	Caucasian	69.0	148.0	CT 21.853
##	652	23.1	-12.5	Male	22	Caucasian	72.0	212.0	CC 28.749
##	653	125.0		Female	23	Caucasian	63.5	165.0	CC 28.767
##	654	120.0		Female	22	Caucasian	66.0	248.0	TT 40.024
##	655	57.1	0.0	Male	34	Asian	57.0	157.0	TT 33.971
##	656	16.7		Female	34	Caucasian	65.0	203.0	CT 33.777
##	657	33.3	6.3	Male	21	Caucasian	74.0	317.0	CC 40.696
##	658	33.3	10.0	Male	21	Caucasian	68.0	132.0	CT 20.068
##	659	45.5	-8.3	Male	28	Caucasian	73.0	195.0	CT 25.724
##	660	60.0	18.2	Male	24	Caucasian	65.0	150.0	TT 24.959
##	662	40.0	16.7	Male	25	Caucasian	75.3	190.0	CT 23.557
##	663	9.1	0.0	Male	23	Asian	64.5	174.0	CT 29.403
##	664	100.0	18.2	Male	24	Caucasian	72.0	150.0	TT 20.341
##	665	25.0	-7.7	Male	21	Caucasian	67.0	232.0	CT 36.332
##	666	15.4	0.0	Male	20	Caucasian	68.0	170.0	CC 25.846
##	667	40.0	0.0	Female	22	Caucasian	63.0	151.0	CT 26.746
##	668	33.3	-16.7	Female	33	Caucasian	63.5	187.0	CT 32.602
##	669	37.5	25.0	Male	26	Asian	71.0	146.0	CT 20.361
##	670	80.0	20.0	Female	23	Caucasian	67.0	164.0	CT 25.683
##	671	80.0	50.0	Female	22	Caucasian	67.2	144.0	CC 22.417
##	672	40.0	0.0	Female	23	Caucasian	62.0	123.0	CC 22.495
##	675	60.0	20.0	Female	18	Asian	60.0	123.0	CT 24.019
##	676	50.0	0.0	Female	20	Caucasian	59.5	161.0	CT 31.970
	677	66.7	23.1	Male	25	Caucasian	69.5	203.0	CT 29.545
	678	27.3	0.0	Male	30	Hispanic	66.5	173.0	TT 27.502
	679	50.0	10.0	Male	24	Caucasian	68.5	152.0	TT 22.773
	681	57.1	0.0	Male	23	Asian	64.7	153.0	TT 25.694
	682	40.0		Female	19	Caucasian	67.5	137.0	TT 21.138
	683	80.0	16.7	Male	19	Asian	71.0	145.0	CC 20.221

##	684	54.5	7.1	Male	19	Caucasian	70.5	308.0	TT 43.564
##	685	100.0	16.7	Female	20	Caucasian	66.7	168.0	CC 26.547
##	686	38.5	27.3	Male	19	Caucasian	70.0	201.0	CT 28.837
##	687	60.0	20.0	Female	19	Caucasian	64.5	122.0	CT 20.616
##	688	100.0	0.0	Female	19	Caucasian	60.5	104.0	CT 19.975
##	689	60.0	0.0	Female	18	Caucasian	68.2	147.0	CT 22.218
##	694	25.0	0.0	Female	19	Asian	63.2	113.0	CC 19.888
##	695	25.0	-16.7	Female	31	Asian	64.0	141.0	CT 24.200
##	696	9.1	-8.3	Male	27	Asian	67.0	154.0	TT 24.117
##	699	30.8	0.0	Male	33	Caucasian	71.0	156.0	CT 21.755
##	700	0.0	-25.0	Male	23	Caucasian	67.5	120.0	CT 18.515
##	703	20.0	22.2	Female	37	Caucasian	71.0	244.0	CT 34.027
##	704	71.4	14.3	Female	19	Caucasian	64.0	115.0	CC 19.738
##	705	25.0		Female	25	Asian	60.0	108.0	CC 21.090
##	706	0.0	-26.7	Male	24	Asian	68.0	140.0	CC 21.285
##	708	21.4	0.0	Male	22	Caucasian	69.7	174.0	TT 25.179
##	709	33.3	-8.3	Male	23	Caucasian	64.0	125.0	CC 21.454
##	710	37.5		Female	21	Caucasian	66.7	183.0	CC 28.917
	711	50.0		Female	21	Caucasian	60.2	95.0	TT 18.428
	712	50.0	8.3	Male	25	Caucasian	73.0	218.0	CC 28.758
	717	13.3	-6.7	Male	25	Caucasian	70.5	170.0	TT 24.045
	720	30.8	-7.7	Male	18	Caucasian	72.7	173.0	CC 23.011
	721	45.5	16.7	Male	22	Caucasian	73.0	182.0	TT 24.009
	722	66.7	20.0	Male	24	Caucasian	73.0	178.0	CT 23.482
	723	50.0		Female	22	Caucasian	66.0	170.0	CT 27.436
	724 725	53.8 20.0	7.1	Male Female	25 22	Caucasian	70.0 69.0	185.0 169.0	CC 26.542 CT 24.954
	726	80.0		Female	19	Caucasian Caucasian	61.0	107.0	TT 20.215
	727	100.0		Female	19	African Am	66.5	134.0	TT 21.302
	728	45.5	-18.2	Male	20	Caucasian	67.0	150.0	CT 23.491
	729	40.0	20.0	Male	29	Other	71.5	184.0	CC 25.302
	730	22.2	0.0	Male	18	Hispanic	68.0	146.0	CT 22.197
	731	40.0		Female	19	Caucasian	66.0	135.0	CT 21.787
	732	25.0	0.0	Male	20	Caucasian	67.0	176.0	CT 27.562
	733	66.7		Female	22	Caucasian	62.7	97.0	TT 17.346
##	734	35.7	0.0	Male	38	Caucasian	73.0	242.0	CT 31.925
##	735	20.0	0.0	Male	23	Caucasian	73.0	171.0	CT 22.558
##	736	15.4	0.0	Male	29	Caucasian	71.0	210.0	CT 29.286
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##	738	40.0	0.0	Female	19	Caucasian	63.5	114.0	CT 19.875
##	739	36.4	-16.7	Male	19	Caucasian	77.0	220.0	CT 26.085
##	742	18.2	-7.7	Male	32	Caucasian	68.0	178.0	CT 27.062
##	743	27.3	0.0	Male	20	Asian	72.5	160.0	CT 21.399
##	744	66.7	0.0	Male	25	Caucasian	69.0	129.0	TT 19.048
##	745	44.4	-14.3	Male	21	Caucasian	69.5	148.0	TT 21.540
##	746	36.4	-26.7	Male	18	Caucasian	72.5	190.0	CC 25.412
##	747	50.0	10.0	Male	22	Hispanic	73.0	150.0	CT 19.788
	749	42.9	0.0	Male	28	Asian	71.0	141.0	CC 19.663
	856	54.3		Female	22	Caucasian	71.0	185.0	CT 25.799
	857	57.1		Female	20	Caucasian	68.0	151.0	TT 22.957
	858	120.0		Female	22	Caucasian	67.0	140.0	CT 21.925
	859	166.7		Female	20	Caucasian	64.0	108.0	TT 18.536
	860	40.0	8.3	Male	21	Caucasian	67.0	134.0	TT 20.985
##	862	20.0	0.0	Male	20	Caucasian	70.5	206.0	CC 29.137

##	864	80.0	20.0	Female	19	Caucasian	61.7	106.0	CT 19.575
	867	100.0		Female	19	Caucasian	70.8	155.0	CT 21.738
##	868	42.9	0.0	Female	27	Caucasian	63.5	197.0	CT 34.346
##	869	42.9		Female	36	Caucasian	65.0	130.0	CT 21.631
##	870	42.9		Female	19	Caucasian	69.0	193.0	CC 28.498
##	871	28.6		Female	20	Caucasian	67.0	125.0	CT 19.576
##	873	100.0		Female	23	Caucasian	63.3	160.0	CC 28.072
	874	8.3	8.3	Male	21	Caucasian	72.0	166.0	CT 22.511
	876	60.0	30.0	Male	21	Caucasian	69.0	150.0	CT 22.149
	878	125.0		Female	19	Caucasian	65.0	120.0	CC 19.967
##	879	40.0	16.7	Male	22	Caucasian	69.5	169.0	CC 24.596
##	880	75.0	10.0	Female	21	African Am	69.3	260.0	CT 38.059
##	881	30.8	7.7	Male	21	Caucasian	67.8	174.0	CT 26.610
##	882	35.7	-14.3	Male	21	Caucasian	69.7	153.0	CT 22.140
##	883	42.9		Female	20	Caucasian	63.0	117.0	CT 20.723
##	884	10.0	0.0	Male	21	Caucasian	69.0	180.0	CT 26.578
##	885	120.0	20.0	Female	19	Caucasian	64.5	133.0	CC 22.474
##	887	56.3	29.4	Male	24	Caucasian	69.0	183.0	CT 27.021
##	966	50.0	16.7	Female	39	Caucasian	64.7	192.0	CC 32.244
##	967	66.7	16.7	Female	18	Caucasian	66.7	147.0	CC 23.228
##	968	66.7	40.0	Female	22	Caucasian	64.7	131.0	CT 22.000
##	969	100.0	16.7	Female	18	Caucasian	61.7	141.0	CT 26.038
##	970	25.0	25.0	Female	22	Caucasian	66.2	175.0	CT 28.072
##	971	83.3	16.7	Female	21	Caucasian	67.0	163.0	CC 25.527
##	972	50.0	0.0	Female	19	Caucasian	68.0	170.0	CT 25.846
##	973	55.6	7.7	Male	19	Asian	68.0	160.0	TT 24.325
##	974	66.7	0.0	Female	23	Caucasian	62.7	130.0	CT 23.247
##	975	33.3	0.0	Female	19	Caucasian	65.7	129.0	CT 21.009
##	976	28.6	12.5	Female	19	Caucasian	62.0	135.0	CT 24.689
##	977	27.3	-9.1	Female	22	Caucasian	65.0	247.0	TT 41.098
##	978	66.7		Female	21	Caucasian	66.0	165.0	CC 26.629
	979	22.2		Female	29	Caucasian	63.7	198.0	CT 34.304
	980	37.5		Female	32	Caucasian	62.0	170.0	CC 31.090
	982	120.0		Female	21	Caucasian	70.0	133.0	TT 19.081
	983	23.1		Female	20	Caucasian	68.0	221.0	CT 33.599
##	984	28.6		Female	39	Caucasian	66.0	196.0	CT 31.632
##	985	50.0	0.0	Male	18	Caucasian	70.0	146.0	CT 20.947
	987	30.0	22.2	Male	20	Caucasian	71.0	173.0	CT 24.126
	988	60.0		Female	21	Caucasian	63.5	119.0	CT 20.747
	989	100.0		Female	19	Caucasian	63.0	118.0	CC 20.900
	990	83.3		Female	21	Caucasian	70.0	165.0	TT 23.672
	991	80.0		Female	23	Caucasian	64.0	140.0	CT 24.028
	992	37.5	25.0	Male	26	Asian	66.0	116.0	CT 18.721
	993	66.7	12.5	Male	21	Caucasian	72.0	152.0	TT 20.613
	994	44.4	0.0	Male	22	Caucasian Caucasian	73.0	139.0	CT 16.337
	995	100.0		Female	21		64.5	100.0	CT 16.898 CT 25.250
	996 997	41.2 75.0	17.6	Male Female	22 21	Caucasian Caucasian	69.0 67.0	171.0 127.0	CT 19.889
	998	80.0		Female	19	Caucasian	65.0	126.0	CT 20.965
	999	50.0		Female	19	Caucasian	64.0	130.0	CT 22.312
	1000	75.0		Female	27	Caucasian	57.0	82.0	CC 17.743
	1000	13.3	14.3	Male	39	Asian	62.0	111.0	CT 20.300
	1001	57.1		Female	20	Caucasian	62.0	137.0	TT 25.055
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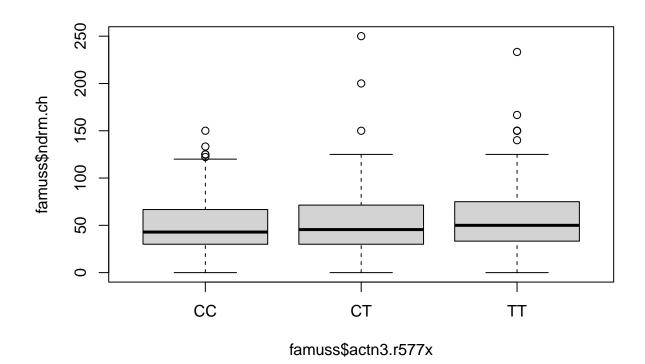
##	1004	50.0	0.0	Female	24	Caucasian	68.0	140.0	CC 21.285
##	1008	71.4	20.0	Male	24	Asian	74.0	145.0	CT 18.615
##	1009	83.3	0.0	Female	35	Caucasian	63.0	129.0	CC 22.849
##	1010	66.7	16.7	Female	19	Caucasian	63.0	125.0	CT 22.140
##	1011	50.0	14.3	Male	22	Asian	67.0	99.0	CT 15.504
##	1012	50.0	9.1	Male	27	Other	67.0	138.0	TT 21.611
##	1013	80.0	16.7	Female	21	Caucasian	65.0	131.0	CT 21.797
##	1014	100.0	0.0	Female	21	Caucasian	63.0	225.0	CC 39.853
##	1015	41.7	8.3	Male	26	Other	73.0	177.0	TT 23.350
##	1016	80.0	0.0	Female	21	Caucasian	69.0	160.0	TT 23.625
##	1017	50.0	33.3	Female	25	Caucasian	64.0	222.0	CT 38.102
##	1019	100.0	33.3	Female	19	Caucasian	67.0	132.0	CT 20.672
##	1021	60.0	20.0	Female	19	Caucasian	62.0	130.0	CC 23.775
##	1022	100.0	28.6	Female	21	Caucasian	64.0	121.0	TT 20.767
##	1023	66.7	100.0	Female	31	Asian	63.0	103.0	CC 18.244
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##	1025	40.0	8.3	Male	20	Caucasian	76.0	180.0	CC 21.908
##	1029	100.0	40.0	Female	20	Caucasian	66.0	191.0	TT 30.825
##	1030	100.0		Female	21	Caucasian	70.0	173.0	TT 24.820
##	1031	30.0	-10.0	Female	26	Asian	70.0	162.0	TT 23.242
##	1032	80.0		Female	21	Caucasian	65.9	189.0	CT 30.595
##	1033	27.3	7.7	Male	23	Hispanic	68.0	165.0	TT 25.085
##	1034	57.1	0.0	Female	21	Caucasian	67.0	175.0	TT 27.406
##	1036	50.0	20.0	Male	21	Caucasian	68.0	141.0	TT 21.437
##	1037	60.0	20.0	Female	21	Caucasian	62.0	110.0	TT 20.117
##	1038	116.0		Female	20	Caucasian	65.0	125.0	TT 20.799
##	1039	100.0		Female	19	Caucasian	64.0	133.0	TT 22.827
##	1040	150.0		Female	18	Caucasian	65.0	146.0	TT 24.293
##	1041	83.3		Female	32	Caucasian	65.0	210.0	TT 34.942
##	1042	28.6		Female	20	Caucasian	69.0	141.0	TT 20.820
##	1043	66.7		Female	23	Caucasian	63.0	109.0	TT 19.306
##	1044	83.3		Female	26	Caucasian	66.0	143.0	TT 23.078
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	10521054	125.0 100.0		Female Female	19 21	Caucasian Caucasian	65.0 63.0	124.0 139.0	TT 20.632 TT 24.620
	1054	20.0		Female	21	Caucasian	66.0	214.0	TT 34.537
	1056	15.4		Female	19	Caucasian	70.0	158.0	TT 22.668
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	1060	60.0		Female	24	Caucasian	67.0	174.0	CC 27.249
	1061	40.0		Female	22	Caucasian	63.0	132.0	CT 23.380
	1063	27.3	8.3	Male	19	Hispanic	70.5	226.0	CT 31.966
	1065	50.0		Female	21	Caucasian	60.0	106.0	CT 20.699
	1066	66.7		Female	21	Caucasian	65.0	151.0	CT 25.125
	1068	20.0	16.7	Male	23	Caucasian	65.0	185.0	CT 30.782
	1070	16.7		Female	19	Caucasian	67.0	162.0	CC 25.370
	1072	33.3		Female	23	Caucasian	68.0	140.0	CC 21.285
	1073	33.3		Female	20	African Am	68.0	127.0	CT 19.308
	1079	14.3		Female	22	Caucasian	71.0	156.0	CC 21.755
	1080	17.6	0.0	Male		African Am	69.0	159.0	CC 23.478

##	1081	6.7	-5.6	Male	25	Caucasian	66.0	192.0	CC 30.986
##	1082	27.3	27.3	Male	20	Caucasian	70.0	150.0	CT 21.520
##	1083	40.0		Female	20	Caucasian	64.0	113.0	CT 19.394
##	1084	0.0		Female	20	Caucasian	65.0	148.0	CT 24.626
##	1085	42.9	0.0	Female	26	Caucasian	67.0	155.0	CT 24.274
##	1087	33.3	14.3	Female	38	Caucasian	63.5	125.0	CC 21.793
##	1088	0.0	14.3	Female	39	Caucasian	66.0	202.0	CC 32.600
##	1089	16.7	-12.5	Female	27	Caucasian	68.5	141.0	CT 21.125
##	1090	75.0	60.0	Female	18	Other	60.0	117.0	TT 22.848
##	1091	75.0	0.0	Female	36	Caucasian	64.0	154.0	CT 26.431
##	1092	20.0	-10.0	Male	36	Caucasian	69.0	157.0	CT 23.182
##	1093	0.0	0.0	Female	30	Caucasian	64.0	150.0	CT 25.745
##	1094	8.3	0.0	Male	37	Caucasian	65.0	156.0	TT 25.957
##	1095	0.0	-14.3	Female	26	Caucasian	66.7	151.0	CC 23.861
##	1097	33.3	14.3	Female	33	Caucasian	61.0	157.0	CC 29.662
##	1098	28.6	-11.1	Female	37	Caucasian	68.0	189.0	CT 28.734
##	1099	62.5	28.6	Female	36	Caucasian	68.0	196.0	CC 29.798
##	1100	57.1	11.1	Female	18	Caucasian	67.0	177.0	CT 27.719
##	1101	33.3	20.0	Female	31	Caucasian	64.0	132.0	TT 22.655
##	1102	120.0	60.0	Female	25	Caucasian	61.5	144.0	CT 26.765
##	1103	0.0	0.0	Female	20	Caucasian	64.0	123.0	CT 21.111
##	1104	18.2	44.4	Male	24	Caucasian	71.5	191.0	CT 26.265
##	1105	50.0	0.0	Female	25	Caucasian	66.5	118.0	CC 18.758
##	1106	25.0	5.9	Male	35	African Am	69.0	178.0	CC 26.283
##	1108	16.7	-5.9	Male	20	Caucasian	72.0	204.0	TT 27.664
##	1110	70.0	0.0	Male	36	Caucasian	69.0	162.0	CT 23.921
##	1111	40.0	20.0	Female	38	Caucasian	66.0	111.0	CC 17.914
##	1112	20.0	16.7	Female	25	Caucasian	68.5	182.0	CC 27.268
##	1113	14.3	0.0	Male	25	Caucasian	74.0	202.0	CC 25.932
##	1114	55.6	10.0	Male	21	Hispanic	68.0	151.0	CT 22.957
##	1115	30.8	15.4	Male	33	Caucasian	67.0	174.0	CT 27.249
##	1116	33.3	28.6	Female	37	Caucasian	67.5	153.0	CC 23.607
##	1117	42.9	0.0	Female	21	Caucasian	66.5	155.0	CT 24.640
##	1119	33.3	0.0	Female	25	Caucasian	64.0	165.0	CT 28.319
##	1121	38.5	7.1	Male	19	Caucasian	71.0	195.0	TT 27.194
##	1122	11.1	-11.1	Female	20	Caucasian	71.0	157.0	CC 21.895
##	1123	54.5	8.3	Male	20	Caucasian	69.5	157.0	CT 22.850
##	1127	100.0	20.0	Female	22	Caucasian	67.0	122.0	CT 19.106
##	1128	100.0	28.6	Female	34	Caucasian	67.3	142.0	TT 22.040
##	1129	60.0	40.0	Male	22	Caucasian	69.3	145.0	TT 21.225
##	1130	28.6	28.6	Female	25	Caucasian	63.0	146.0	TT 25.860
##	1131	25.0	16.7	Male	19	Caucasian	74.0	137.0	CC 17.588
##	1133	28.6	16.7	Female	34	Caucasian	64.5	147.0	TT 24.840
##	1134	33.3	7.7	Male	21	Caucasian	68.0	175.0	TT 26.606
##	1136	55.6	44.4	Female	23	Caucasian	67.5	167.0	TT 25.767
##	1137	71.4	0.0	Female	21	Caucasian	62.0	128.0	TT 23.409
##	1138	42.9	25.0	Female	21	Caucasian	69.0	143.0	TT 21.115
##	1139	100.0	60.0	Female	19	Caucasian	64.5	114.0	CT 19.264
##	1140	57.1	0.0	Female	33	Caucasian	65.5	168.0	TT 27.528
##	1141	75.0	44.4	Male	19	Caucasian	72.5	158.0	TT 21.132
##	1142	14.3	28.6	Female	19	African Am	64.5	221.0	CC 37.345
##	1143	50.0	33.3	Female	19	Caucasian	64.5	119.0	TT 20.109
##	1144	25.0	25.0	Male	20	Caucasian	66.0	262.0	TT 42.283
##	1145	60.0	0.0	Female	20	Caucasian	66.0	125.0	TT 20.173

##	1146	42.9	14.3	Female	19	Caucasian	61.5	135.0	CC 25.092
##	1147	50.0	0.0	Female	20	Caucasian	66.0	155.0	TT 25.015
##	1148	33.3		Female	22	Caucasian	64.0	105.0	TT 18.021
##	1150	40.0	27.3	Male	20	Caucasian	72.0	159.0	TT 21.562
##	1151	100.0	16.7	Female	20	Caucasian	66.5	148.0	TT 23.527
##	1154	36.4	-15.4	Male	29	Caucasian	70.5	171.0	CT 24.187
##	1155	23.1	7.1	Male	32	Other	67.5	151.0	CT 23.298
##	1156	46.2	21.4	Male	35	Other	67.5	204.0	CC 31.476
##	1157	36.4	25.0	Male	27	Caucasian	71.5	159.0	CT 21.865
##	1158	40.0	60.0	Female	31	Asian	62.0	110.0	CC 20.117
##	1159	16.7	16.7	Female	23	Caucasian	62.2	117.0	TT 21.260
##	1160	66.7	21.7	Female	24	Caucasian	65.5	130.0	CC 21.302
##	1161	36.4	25.0	Male	19	Caucasian	68.0	147.0	CT 22.349
##	1162	42.9	14.3	Female	21	Caucasian	62.0	112.0	CC 20.483
##	1163	50.0	0.0	Male	24	Caucasian	67.0	164.0	CT 25.683
##	1165	50.0	10.0	Male	19	Caucasian	70.0	156.0	CT 22.381
##	1167	28.6	7.1	Male	33	Caucasian	71.0	210.0	CC 29.286
##	1169	66.7	25.0	Female	22	Asian	62.0	129.0	TT 23.592
##	1170	46.0	16.7	Female	19	Asian	63.0	137.0	CC 24.266
##	1171	50.0	25.0	Female	19	Asian	62.0	145.0	TT 26.518
##	1172	62.5	30.0	Male	29	Asian	64.0	134.0	TT 22.999
##	1175	30.0	-8.3	Female	28	Caucasian	65.0	155.0	CC 25.791
##	1261	33.3	28.6	Female	31	Caucasian	68.0	136.0	CT 20.676
##	1262	50.0	14.3	Female	37	Asian	64.0	125.0	TT 21.454
##	1263	120.0	60.0	Female	35	Caucasian	66.0	124.0	TT 20.012
##	1264	42.9	12.5	Female	27	Caucasian	66.0	146.0	CC 23.562
##	1265	83.3	100.0	Female	22	Caucasian	66.0	134.0	CC 21.626
##	1266	50.0	28.6	Female	31	Caucasian	62.0	122.0	CC 22.312
##	1267	66.7	50.0	Female	22	Caucasian	62.0	118.0	CT 21.580
##	1268	116.7	33.3	Female	37	Caucasian	68.0	152.0	CT 23.109
##	1269	35.7	12.5	Male	27	Caucasian	75.0	196.0	CC 24.496
##	1270	80.0	14.3	Female	20	Caucasian	60.0	90.0	CT 17.575
##	1271	35.7	14.3	Male	19	Caucasian	70.0	135.0	CC 19.368
##	1272	66.7	0.0	Female	22	Caucasian	69.0	136.0	CT 20.081
##	1273	43.8	12.5	Male	24	Caucasian	73.0	212.0	CC 27.967
##	1274	37.5	12.5	Female	20	Caucasian	63.5	140.0	TT 24.408
##	1276	25.0	0.0	Female	23	Caucasian	66.0	133.0	CC 21.464
##	1277	71.4	71.4	Female	19	Caucasian	66.0	150.0	TT 24.208
##	1278	100.0	42.9	Female	29	Caucasian	60.0	123.0	TT 24.019
##	1280	25.0	12.5	Female	20	Caucasian	68.0	124.0	TT 18.852
##	1282	33.3	-11.1	Male	38	Caucasian	70.0	172.0	CT 24.677
##	1283	36.4	18.2	Female	24	Caucasian	66.0	124.0	TT 20.012
##	1284	37.5	28.6	Female	23	Caucasian	64.0	136.0	CC 23.342
##	1285	57.1	0.0	Female	20	Caucasian	60.0	129.0	CC 25.191
##	1288	57.1	11.1	Female	24	Caucasian	65.0	124.0	TT 20.632
##	1289	50.0	0.0	Female	22	Caucasian	65.5	130.0	CT 21.302
##	1290	15.4	0.0	Male	39	Caucasian	74.4	200.0	CT 25.400
##	1291	37.5	0.0	Female	21	Caucasian	64.0	112.0	CT 19.223
##	1292	7.7	7.7	Male	39	Caucasian	70.0	210.0	TT 30.129
##	1293	40.0	25.0	Male	21	Caucasian	65.0	133.0	CT 22.130
##	1295	30.0	9.1	Male	22	Caucasian	73.0	175.0	CT 23.086
	1296	33.3		Female	30	Caucasian	63.0	126.0	CC 22.317
	1297	50.0		Female	26	Caucasian	63.0	118.0	CT 20.900
##	1298	6.7	-17.6	Male	22	Caucasian	74.0	201.0	TT 25.804

```
## 1300
           16.7
                 -14.3 Female
                                 38 African Am
                                                  62.0
                                                        133.0
                                                                         CC 24.323
                                     Caucasian
                                                                         TT 24.459
## 1301
           33.3
                  -16.7 Female
                                 25
                                                  65.0
                                                        147.0
                                                        132.0
## 1305
           80.0
                    0.0 Female
                                     Caucasian
                                                  65.0
                                                                         CT 21.964
## 1306
          125.0
                    0.0 Female
                                                        132.0
                                                                         CT 21.964
                                 20
                                     Caucasian
                                                  65.0
## 1307
           42.9
                   12.5 Female
                                 20
                                     Caucasian
                                                  65.5
                                                        169.0
                                                                         CT 27.692
## 1312
                                                  62.0
                                                                         CT 18.288
           75.0
                    0.0 Female
                                 22
                                     Caucasian
                                                       100.0
## 1313
                                                  65.0
                                                                         TT 24.127
           50.0
                   14.3 Female
                                 26
                                         Asian
                                                        145.0
                                                                        TT 29.020
## 1314
           50.0
                   16.7
                          Male
                                 24
                                     Caucasian
                                                  72.0
                                                        214.0
## 1316
           28.6
                    0.0
                          Male
                                 22
                                     Caucasian
                                                  68.0
                                                        109.0
                                                                        TT 16.572
## 1317
           50.0
                   14.3
                          Male
                                 22
                                     Caucasian
                                                  67.0
                                                        122.0
                                                                         CT 19.106
## 1320
           75.0
                    0.0 Female
                                 32
                                     Caucasian
                                                  65.0
                                                       116.0
                                                                         CC 19.301
## 1321
                                                                         TT 23.330
           54.5
                   -7.7
                          Male
                                 33
                                     Caucasian
                                                  69.0
                                                       158.0
## 1322
           22.2
                          Male
                                 30
                                                  73.0 214.0
                                                                         CT 28.231
                    9.1
                                     Caucasian
                                                  70.0
## 1323
           36.4
                    9.1
                          Male
                                 24
                                     Caucasian
                                                       186.0
                                                                         CT 26.685
## 1324
                                                  66.0
                                                        168.0
                                                                         CT 27.113
          100.0
                    0.0 Female
                                 26
                                     Caucasian
## 1325
           43.8
                    7.1 Female
                                 33
                                     Caucasian
                                                  62.0
                                                        179.0
                                                                         CC 32.736
## 1326
                                                                         CC 23.816
           12.5
                   -9.1
                          Male
                                 33
                                                  70.0
                                                        166.0
                                     Caucasian
## 1327
           27.3
                    0.0
                          Male
                                 28
                                                  71.0
                                                        295.0
                                                                        TT 41.140
                                     Caucasian
## 1328
                  -22.2
                                                        148.0
                                                                         CC 20.640
           71.4
                          Male
                                 27
                                                  71.0
                                     Caucasian
## 1329
           62.5
                   25.0 Female
                                 24
                                     Caucasian
                                                  64.0
                                                        118.0
                                                                         TT 20.252
## 1332
           53.8
                   11.1 Female
                                 31
                                     Caucasian
                                                  62.0
                                                       131.0
                                                                         CC 23.958
## 1333
           50.0
                    0.0 Female
                                                  64.0
                                                        227.0
                                                                         CT 38.960
                                 40
                                     Caucasian
## 1334
                  -22.7
                                                  75.0
                                                        221.0
                                                                        CC 27.620
           75.0
                          Male
                                 26
                                     Caucasian
## 1336
                                                        149.0
                                                                         CT 27.249
          100.0
                    0.0 Female
                                 20
                                     Caucasian
                                                  62.0
                                     Caucasian
## 1337
          100.0
                    7.7 Female
                                 22
                                                  62.0
                                                       147.0
                                                                        CT 26.884
## 1338
           41.2
                   11.1
                          Male
                                 29
                                         Asian
                                                  68.0
                                                        187.0
                                                                         CC 28.430
## 1339
                                                  72.0 273.0
                                                                         CT 37.021
           36.4
                    0.0
                          Male
                                 39
                                     Caucasian
                                                                         TT 20.782
## 1340
           70.0
                    0.0 Female
                                 19
                                     Caucasian
                                                  61.0
                                                       110.0
## 1341
                                                  72.0 160.0
                                                                         CT 21.698
           16.7
                    3.6
                          Male
                                 19
                                     Caucasian
## 1342
           33.3
                   12.9
                          Male
                                 20
                                                  74.0 184.0
                                                                         CC 23.622
                                     Caucasian
## 1343
           52.9
                   12.5
                          Male
                                 24
                                         Asian
                                                  67.0
                                                        157.0
                                                                         CC 24.587
## 1344
           62.5
                   28.6
                          Male
                                 24
                                         Asian
                                                  71.5
                                                       163.0
                                                                         CC 22.415
## 1345
           87.5
                   12.5 Female
                                 22
                                                  65.5
                                                        136.0
                                                                         CT 22.285
                                     Caucasian
## 1346
                                                                         CT 20.094
          100.0
                   12.5 Female
                                                  59.0
                                                         99.5
                                 21
                                         Asian
## 1347
           43.8
                   14.3 Female
                                 31
                                                  64.0
                                                        134.0
                                                                         CT 22.999
                                     Caucasian
## 1348
                                                                         CC 22.999
           43.8
                   14.3 Female
                                30
                                     Caucasian
                                                  64.0
                                                        134.0
t.test(famuss$age, conf.level=0.95)$estimate
## mean of x
    24.40168
t.test(famuss$age, conf.level=0.95)$conf.int
## [1] 23.93359 24.86977
## attr(,"conf.level")
## [1] 0.95
b.) null hypothesis: mean of age is not over 24 alternative: the mean of age is over 24
t.test(famuss$age, mu = 24, alternative = "greater")
##
    One Sample t-test
##
## data: famuss$age
## t = 1.6853, df = 594, p-value = 0.04623
```

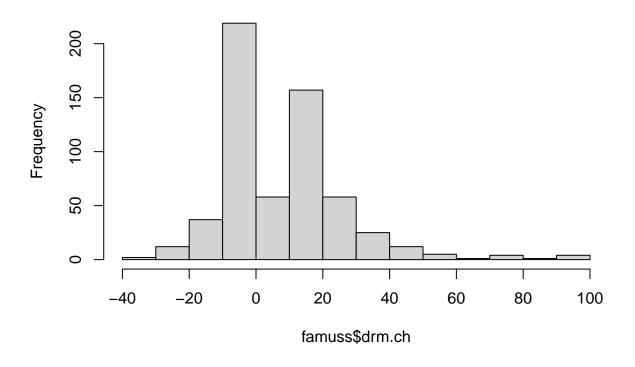
```
## alternative hypothesis: true mean is greater than 24
## 95 percent confidence interval:
## 24.00903
                  Inf
## sample estimates:
## mean of x
## 24.40168
t.test(famuss$drm.ch, alternative = "greater")
##
##
   One Sample t-test
##
## data: famuss$drm.ch
## t = 13.995, df = 594, p-value < 2.2e-16
## alternative hypothesis: true mean is greater than 0
## 95 percent confidence interval:
## 9.131896
## sample estimates:
## mean of x
## 10.35025
t.test(famuss$ndrm.ch, alternative = "greater")
##
   One Sample t-test
##
## data: famuss$ndrm.ch
## t = 39.226, df = 594, p-value < 2.2e-16
## alternative hypothesis: true mean is greater than 0
## 95 percent confidence interval:
## 51.05294
## sample estimates:
## mean of x
## 53.29109
#c.)null hyothesis:drm.ch is not less than ndrm.ch
#alternative hypothesis: drm.ch is less than ndrm.ch
pairwise.t.test(famuss$bmi, famuss$actn3.r577x, p.adj = "none")
## Pairwise comparisons using t tests with pooled SD
## data: famuss$bmi and famuss$actn3.r577x
##
##
     CC
           CT
## CT 0.96 -
## TT 0.51 0.51
## P value adjustment method: none
plot(famuss$ndrm.ch ~ famuss$actn3.r577x)
```



summary(aov(famuss\$ndrm.ch ~ famuss\$actn3.r577x))

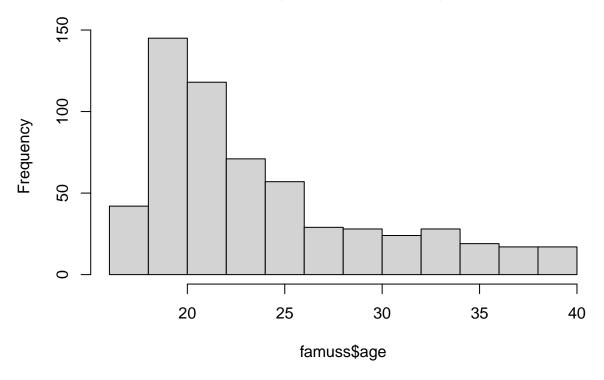
```
Df Sum Sq Mean Sq F value Pr(>F)
                           7043
## famuss$actn3.r577x
                       2
                                   3522
                                          3.231 0.0402 *
## Residuals
                     592 645293
                                   1090
## ---
## Signif. codes: 0 '***' 0.001 '**' 0.05 '.' 0.1 ' ' 1
tapply(famuss$ndrm.ch, famuss$actn3.r577x, var)
##
         CC
                   CT
## 897.3667 1104.3311 1273.8712
hist(famuss$drm.ch)
hist(famuss$drm.ch)
```

Histogram of famuss\$drm.ch



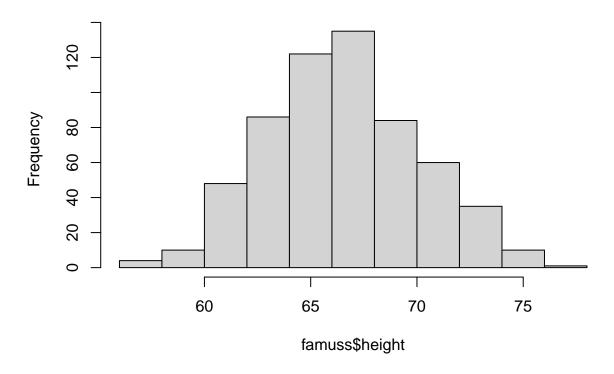
hist(famuss\$age)

Histogram of famuss\$age



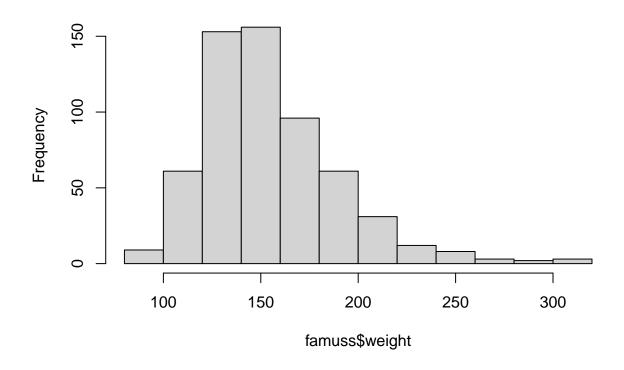
hist(famuss\$height)

Histogram of famuss\$height



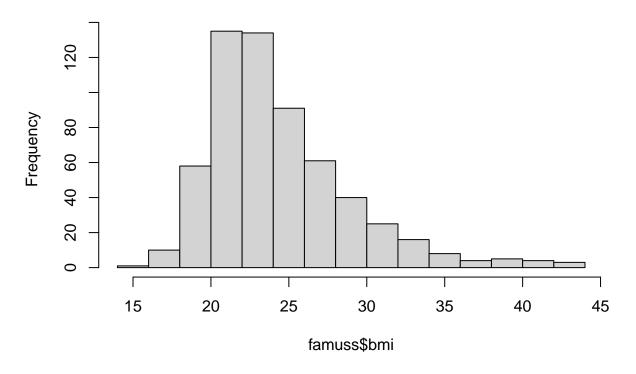
hist(famuss\$weight)

Histogram of famuss\$weight

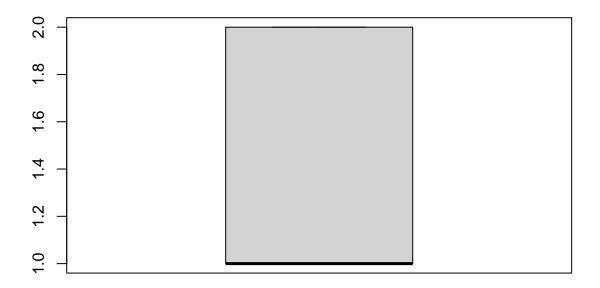


hist(famuss\$bmi)

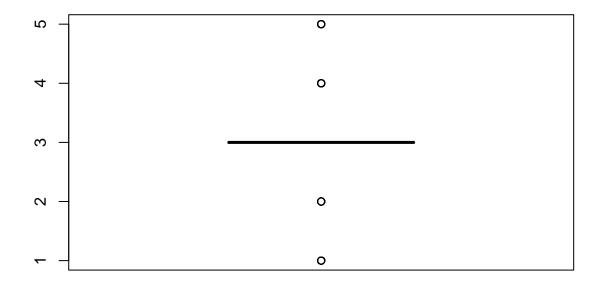
Histogram of famuss\$bmi



boxplot(famuss\$sex)



boxplot(famuss\$race)



boxplot(famuss\$actn3.r577x)

