R to LaTeX / HTML

Example of output

Contents

Part I
r2latexUniv

1 Logical

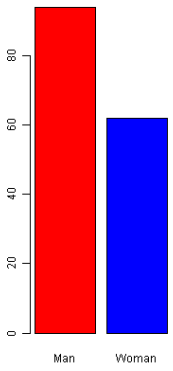
data$gender

Nominal(2) N=156 ; NA=0 (0%)

Frequency

Man	: 94	(60.26%)
Woman	: 62	(39.74%)

Histogram



2 Factor

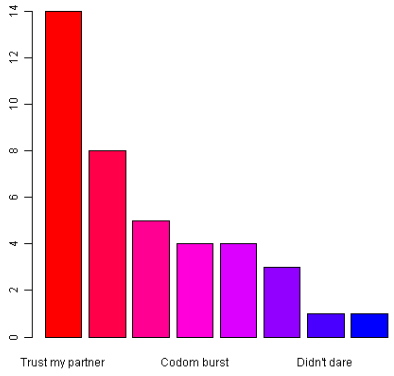
data$sexWithRiskWhy

Nominal(8) N=156 ; NA=116 (74.36%)

Frequency

Trust my partner	: 14	(35%)
Didn't want	: 8	(20%)
Alcohol or drugs	: 5	(12.5%)
Codom burst	: 4	(10%)
Didn't feel gettin one	: 4	(10%)
Didn't know where to find	: 3	(7.5%)
Didn't dare	: 1	(2.5%)
Didn't think	: 1	(2.5%)

Histogram



3 Ordered

data$studyLevel

Ordered(6) N=156 ; NA=0 (0%)

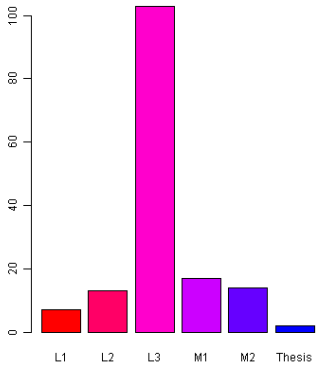
Frequency

L1	:	7	(4.49%)
L2	:	13	(8.33%)
L3	:	103	(66.03%)
M1	:	17	(10.9%)
M2	:	14	(8.97%)
Thesis	:	2	(1.28%)

Summary

Min.	:	L1
Q1	:	L3
Median	:	L3
Q3	:	L3
Max.	:	Thesis

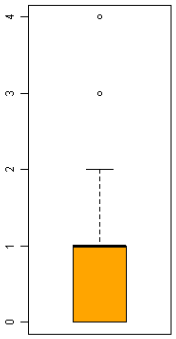
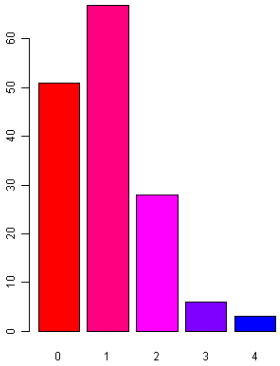
Histogram



4 Discrete

data$brothersSisters

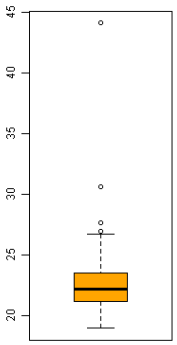
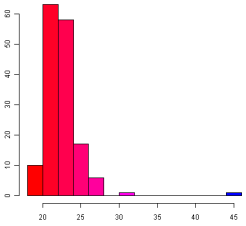
Discrete(5) N=156 ; NA=1 (0.64%)

Frequency			Summary			Boxplot	Histogram
0 :	51	(32.9%)	Mean	:	0.987		
1 :	67	(43.23%)	Var.	:	0.844		
2 :	28	(18.06%)	SD	:	0.919		
3 :	6	(3.87%)	Min.	:	0		
4 :	3	(1.94%)	Q1	:	0		
			Median	:	1		
			Q3	:	1		
			Max.	:	4		

5 Continuous

data$age

Continuous — N=156 ; NA=0 (0%)

Summary			Boxplot	Histogram
Mean	:	22.598		
Var.	:	6.354		
SD	:	2.521		
Min.	:	19		
Q1	:	21.2		
Median	:	22.2		
Q3	:	23.5		
Max.	:	44.1		

Part II
r2latexBiv

6 Logical

6.1 Logical~Logical

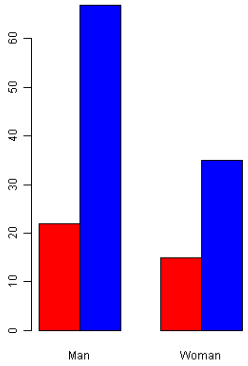
data$firstTimeCondom ~ data$gender

Nominal(2) ~ Nominal(2) N=156 ; NA=17 (10.9%)

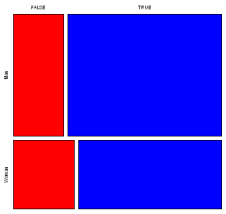
Table

	FALSE	TRUE	Total
Man	22	67	89
	→ 24.72 %	→ 75.28 %	→ 100 %
Woman	15	35	50
	→ 30 %	→ 70 %	→ 100 %
Total	37	102	139
	→ 26.62 %	→ 73.38 %	→ 100 %

Barplot



Mosaic



Tests

χ^2 test	$\chi^2 = 0.4571$	p = 0.499
Fisher's Exact Test		p = 0.5509
Odds Ratio	ODD = 0.7662	p = 0.4996
Relative Risk	RR = 0.824	p = 0.496

6.2 Logical~Factor

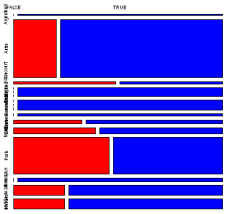
data$firstTimeCondom ~ data$nativeTown

Nominal(2) ~ Nominal(12) N=156 ; NA=31 (19.87%)

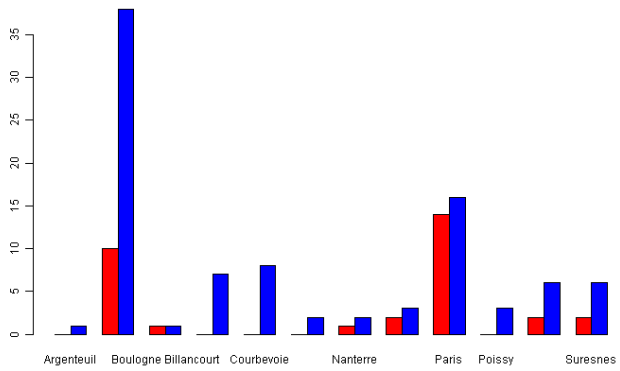
Table

	FALSE	TRUE	Total
Argenteuil	0 → 0 %	1 → 100 %	1 → 100 %
Autre	10 → 20.83 %	38 → 79.17 %	48 → 100 %
Boulogne Billancourt	1 → 50 %	1 → 50 %	2 → 100 %
Colombes	0 → 0 %	7 → 100 %	7 → 100 %
Courbevoie	0 → 0 %	8 → 100 %	8 → 100 %
Garenne Colombes	0 → 0 %	2 → 100 %	2 → 100 %
Nanterre	1 → 33.33 %	2 → 66.67 %	3 → 100 %
Neuilly	2 → 40 %	3 → 60 %	5 → 100 %
Paris	14 → 46.67 %	16 → 53.33 %	30 → 100 %
Poissy	0 → 0 %	3 → 100 %	3 → 100 %
Saint Germain en Laye	2 → 25 %	6 → 75 %	8 → 100 %
Suresnes	2 → 25 %	6 → 75 %	8 → 100 %
Total	32 → 25.6 %	93 → 74.4 %	125 → 100 %

Mosaic



Barplot



Tests

χ^2 test	$\chi^2 = 16.0555$	p = 0.1391
Fisher's Exact Test		p = 0.1034

6.3 Logical~Ordered

data$firstTimeCondom ~ data$useCondom

Nominal(2) ~ Ordered(9) N=156 ; NA=25 (16.03%)

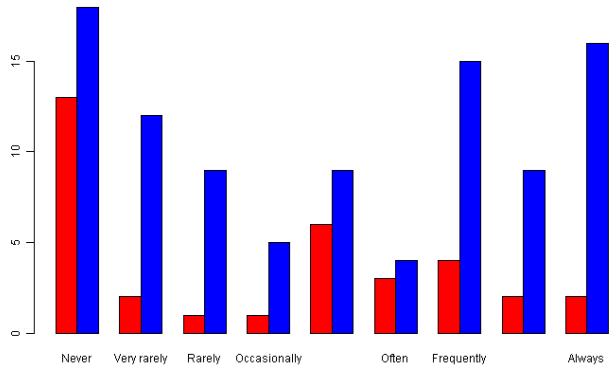
Table

	FALSE	TRUE	Total
Never	13	18	31
	→ 41.94 %	→ 58.06 %	→ 100 %
Very rarely	2	12	14
	→ 14.29 %	→ 85.71 %	→ 100 %
Rarely	1	9	10
	→ 10 %	→ 90 %	→ 100 %
Occasionally	1	5	6
	→ 16.67 %	→ 83.33 %	→ 100 %
Sometimes	6	9	15
	→ 40 %	→ 60 %	→ 100 %
Often	3	4	7
	→ 42.86 %	→ 57.14 %	→ 100 %
Frequently	4	15	19
	→ 21.05 %	→ 78.95 %	→ 100 %
Very frequently	2	9	11
	→ 18.18 %	→ 81.82 %	→ 100 %
Always	2	16	18
	→ 11.11 %	→ 88.89 %	→ 100 %
Total	34	97	131
	→ 25.95 %	→ 74.05 %	→ 100 %

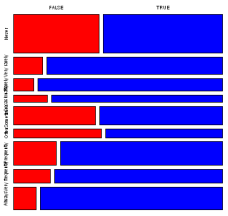
Summary

Modal.	:	FALSE	TRUE
Q1	:	Never	Never
Q2	:	Never	Very rarely
Q3	:	Occasionally	Sometimes
Q4	:	Often	Very frequently
Q5	:	Always	Always

Barplot



Mosaic



Tests

χ^2 test	χ^2 = 11.9328	p = 0.1542	
Fisher's Exact Test		p = 0.1759	
T test	T = -1.7532	p = 0.0846	.
Wilcoxon	W = 1286	p = 0.0542	.

6.4 Logical~Discrete

data$firstTimeCondom ~ data$firstRelation

Nominal(2) ~ Discrete(11) N=156 ; NA=18 (11.54%)

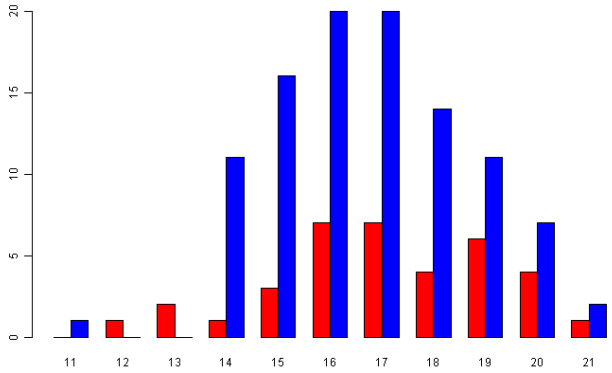
Table

	FALSE	TRUE	Total
11	0 → 0 %	1 → 100 %	1 → 100 %
12	1 → 100 %	0 → 0 %	1 → 100 %
13	2 → 100 %	0 → 0 %	2 → 100 %
14	1 → 8.33 %	11 → 91.67 %	12 → 100 %
15	3 → 15.79 %	16 → 84.21 %	19 → 100 %
16	7 → 25.93 %	20 → 74.07 %	27 → 100 %
17	7 → 25.93 %	20 → 74.07 %	27 → 100 %
18	4 → 22.22 %	14 → 77.78 %	18 → 100 %
19	6 → 35.29 %	11 → 64.71 %	17 → 100 %
20	4 → 36.36 %	7 → 63.64 %	11 → 100 %
21	1 → 33.33 %	2 → 66.67 %	3 → 100 %
Total	36 → 26.09 %	102 → 73.91 %	138 → 100 %

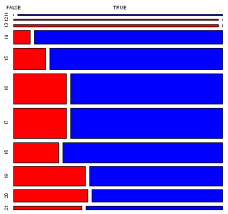
Summary

Modal.	:	**FALSE**	**TRUE**
N	:	54	119
NA	:	18	17
Mean	:	17.08	16.75
Var	:	4.71	3.62
SD	:	2.17	1.9
Min	:	12	11
Q1	:	16	15
Median	:	17	17
Q3	:	19	18
Max	:	21	21

Barplot



Mosaic



Tests

χ^2 test	$\chi^2 = 13.4312$	p = 0.2006
Fisher's Exact Test		p = 0.2404
T test	T = 0.8296	p = 0.4103
Wilcoxon	W = 2053.5	p = 0.2872

6.5 Logical~Continuous

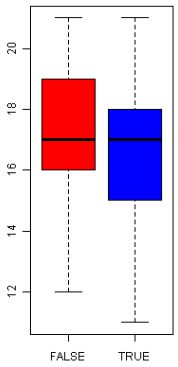
data$firstTimeCondom ~ data$firstRelation

Nominal(2) ~ Continuous — N=156 ; NA=18 (11.54%)

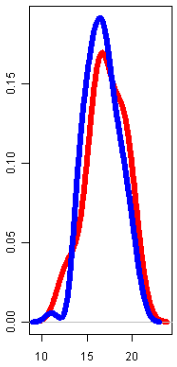
Summary

Modal.	:	FALSE	TRUE
N	:	54	119
NA	:	18	17
Mean	:	17.08	16.75
Var	:	4.71	3.62
SD	:	2.17	1.9
Min	:	12	11
Q1	:	16	15
Median	:	17	17
Q3	:	19	18
Max	:	21	21

Boxplot



Density



Tests

T test	T = 0.8296	p = 0.4103
Wilcoxon	W = 2053.5	p = 0.2872

7 Factor (3 and +)

7.1 Factor~Logical

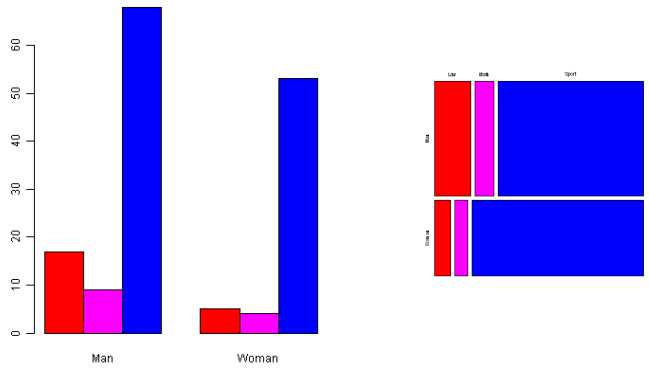
data$area ~ data$gender

Nominal(3) ~ Nominal(2) N=156 ; NA=0 (0%)

Table

	Law	Math	Sport	Total
Man	17 → 18.09 %	9 → 9.57 %	68 → 72.34 %	94 → 100 %
Woman	5 → 8.06 %	4 → 6.45 %	53 → 85.48 %	62 → 100 %
Total	22 → 14.1 %	13 → 8.33 %	121 → 77.56 %	156 → 100 %

Barplot **Mosaic**



Tests

χ^2 test	$\chi^2 = 3.9293$	p = 0.1402
Fisher's Exact Test		p = 0.1589

7.2 Factor~Factor

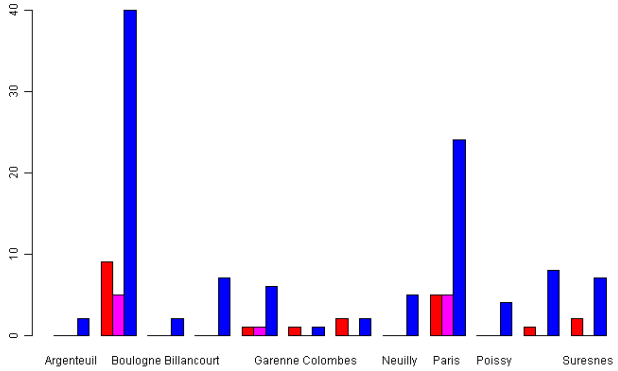
data$area ~ data$nativeTown

Nominal(3) ~ Nominal(12) N=156 ; NA=16 (10.26%)

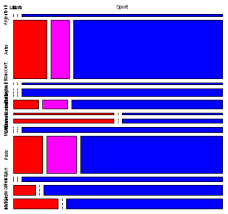
Table

	Law	Math	Sport	Total
Argenteuil	0 → 0 %	0 → 0 %	2 → 100 %	2 → 100 %
Autre	9 → 16.67 %	5 → 9.26 %	40 → 74.07 %	54 → 100 %
Boulogne Billancourt	0 → 0 %	0 → 0 %	2 → 100 %	2 → 100 %
Colombes	0 → 0 %	0 → 0 %	7 → 100 %	7 → 100 %
Courbevoie	1 → 12.5 %	1 → 12.5 %	6 → 75 %	8 → 100 %
Garenne Colombes	1 → 50 %	0 → 0 %	1 → 50 %	2 → 100 %
Nanterre	2 → 50 %	0 → 0 %	2 → 50 %	4 → 100 %
Neuilly	0 → 0 %	0 → 0 %	5 → 100 %	5 → 100 %
Paris	5 → 14.71 %	5 → 14.71 %	24 → 70.59 %	34 → 100 %
Poissy	0 → 0 %	0 → 0 %	4 → 100 %	4 → 100 %
Saint Germain en Laye	1 → 11.11 %	0 → 0 %	8 → 88.89 %	9 → 100 %
Suresnes	2 → 22.22 %	0 → 0 %	7 → 77.78 %	9 → 100 %
Total	21 → 15 %	11 → 7.86 %	108 → 77.14 %	140 → 100 %

Barplot



Mosaic



Tests

χ^2 test	$\chi^2 = 16.6294$	p = 0.7835
Fisher's Exact Test		p = 0.918

7.3 Factor~Ordered

data$area ~ data$useCondom

Nominal(3) ~ Ordered(9) N=156 ; NA=21 (13.46%)

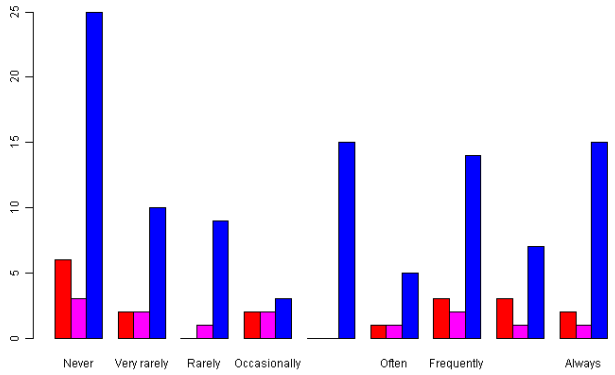
Table

	Law	Math	Sport	Total
Never	6	3	25	34
	→ 17.65 %	→ 8.82 %	→ 73.53 %	→ 100 %
Very rarely	2	2	10	14
	→ 14.29 %	→ 14.29 %	→ 71.43 %	→ 100 %
Rarely	0	1	9	10
	→ 0 %	→ 10 %	→ 90 %	→ 100 %
Occasionally	2	2	3	7
	→ 28.57 %	→ 28.57 %	→ 42.86 %	→ 100 %
Sometimes	0	0	15	15
	→ 0 %	→ 0 %	→ 100 %	→ 100 %
Often	1	1	5	7
	→ 14.29 %	→ 14.29 %	→ 71.43 %	→ 100 %
Frequently	3	2	14	19
	→ 15.79 %	→ 10.53 %	→ 73.68 %	→ 100 %
Very frequently	3	1	7	11
	→ 27.27 %	→ 9.09 %	→ 63.64 %	→ 100 %
Always	2	1	15	18
	→ 11.11 %	→ 5.56 %	→ 83.33 %	→ 100 %
Total	19	13	103	135
	→ 14.07 %	→ 9.63 %	→ 76.3 %	→ 100 %

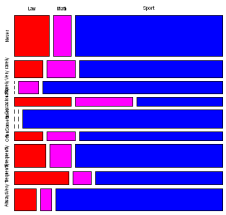
Summary

Modal.	:	**Law**	**Math**	**Sport**
Q1	:	Never	Never	Never
Q2	:	Never	Very rarely	Very rarely
Q3	:	Occasionally	Occasionally	Sometimes
Q4	:	Frequently	Frequently	Frequently
Q5	:	Always	Always	Always

Barplot



Mosaic



Tests

χ^2 test	$\chi^2 = 14.1065$	p = 0.5908
Fisher's Exact Test		p = 0.4303
ANOVA	F = 0.1104	p = 0.8956
Kruskal-Wallis (y x)	K = 0.1945	p = 0.9073

7.4 Factor~Discrete

data$area ~ data$firstRelation

Nominal(3) ~ Discrete(11) N=156 ; NA=16 (10.26%)

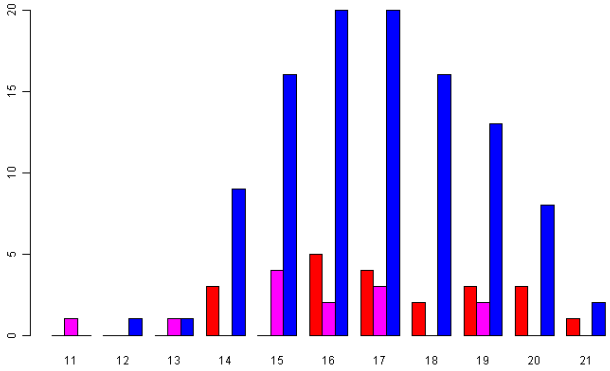
Table

	Law	Math	Sport	Total
11	0 → 0 %	1 → 100 %	0 → 0 %	1 → 100 %
12	0 → 0 %	0 → 0 %	1 → 100 %	1 → 100 %
13	0 → 0 %	1 → 50 %	1 → 50 %	2 → 100 %
14	3 → 25 %	0 → 0 %	9 → 75 %	12 → 100 %
15	0 → 0 %	4 → 20 %	16 → 80 %	20 → 100 %
16	5 → 18.52 %	2 → 7.41 %	20 → 74.07 %	27 → 100 %
17	4 → 14.81 %	3 → 11.11 %	20 → 74.07 %	27 → 100 %
18	2 → 11.11 %	0 → 0 %	16 → 88.89 %	18 → 100 %
19	3 → 16.67 %	2 → 11.11 %	13 → 72.22 %	18 → 100 %
20	3 → 27.27 %	0 → 0 %	8 → 72.73 %	11 → 100 %
21	1 → 33.33 %	0 → 0 %	2 → 66.67 %	3 → 100 %
Total	21 → 15 %	13 → 9.29 %	106 → 75.71 %	140 → 100 %

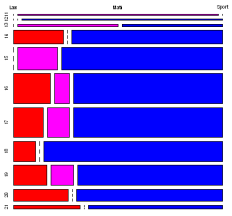
Summary

Modal.	:	**Law**	**Math**	**Sport**
N	:	22	13	121
NA	:	1	0	15
Mean	:	17.33	15.77	16.87
Var	:	4.33	4.86	3.58
SD	:	2.08	2.2	1.89
Min	:	14	11	12
Q1	:	16	15	15.25
Median	:	17	16	17
Q3	:	19	17	18
Max	:	21	19	21

Barplot



Mosaic



Tests

χ^2 test	$\chi^2 = 27.5279$	p = 0.1211
Fisher's Exact Test		p = 0.1899
ANOVA	F = 2.6416	p = 0.0749 .
Kruskal-Wallis (y x)	K = 3.8993	p = 0.1423

7.5 Factor~Continuous

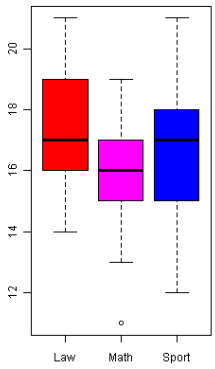
data$area ~ data$firstRelation

Nominal(3) ~ Continuous N=156 ; NA=16 (10.26%)

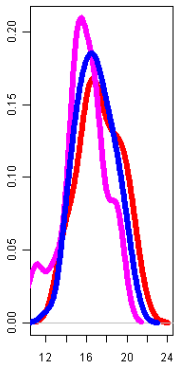
Summary

Modal.	:	**Law**	**Math**	**Sport**
N	:	22	13	121
NA	:	1	0	15
Mean	:	17.33	15.77	16.87
Var	:	4.33	4.86	3.58
SD	:	2.08	2.2	1.89
Min	:	14	11	12
Q1	:	16	15	15.25
Median	:	17	16	17
Q3	:	19	17	18
Max	:	21	19	21

Boxplot



Densities



Tests

ANOVA	F = 2.6416	p = 0.0749	.
Kruskal-Wallis (y x)	K = 3.8993	p = 0.1423	

8 Ordered

8.1 Ordered~Logical

data$howLongTogether ~ data$gender

Ordered(4) ~ Nominal(2) N=156 ; NA=56 (35.9%)

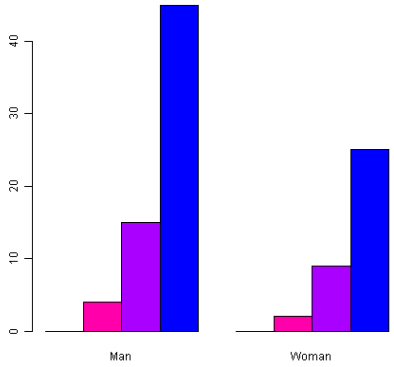
Table

	Less than a week	Less than a month	Less than a year	More thant a year	Total
Man	0 → 0 %	4 → 6.25 %	15 → 23.44 %	45 → 70.31 %	64 → 100 %
Woman	0 → 0 %	2 → 5.56 %	9 → 25 %	25 → 69.44 %	36 → 100 %
Total	0 → 0 %	6 → 6 %	24 → 24 %	70 → 70 %	100 → 100 %

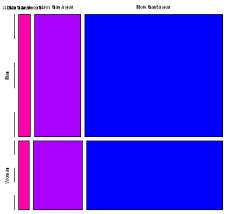
Quartiles

Modal.	:	**Man**	**Woman**
Q1	:	Less than a month	Less than a month
Q2	:	Less than a year	Less than a year
Q3	:	More thant a year	More thant a year
Q4	:	More thant a year	More thant a year
Q5	:	More thant a year	More thant a year

Barplot



Mosaic



Tests

χ^2 test	χ^2 = NaN	p = NaN	NA
ANOVA	F = 2e-04	p = 0.9889	

8.2 Ordered~Factor

data$howLongTogether ~ data$area

Ordered(4) ~ Nominal(3) N=156 ; NA=56 (35.9%)

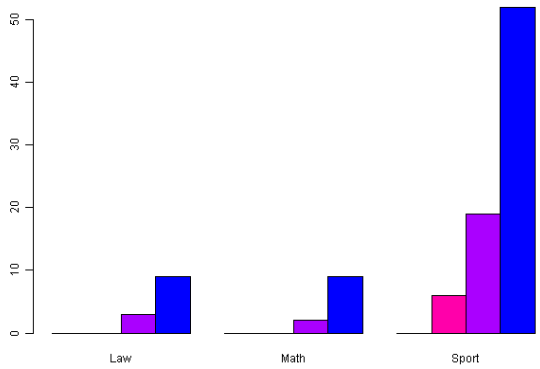
Table

	Less than a week	Less than a month	Less than a year	More thant a year	Total
Law	0	0	3	9	12
	→ 0 %	→ 0 %	→ 25 %	→ 75 %	→ 100 %
Math	0	0	2	9	11
	→ 0 %	→ 0 %	→ 18.18 %	→ 81.82 %	→ 100 %
Sport	0	6	19	52	77
	→ 0 %	→ 7.79 %	→ 24.68 %	→ 67.53 %	→ 100 %
Total	0	6	24	70	100
	→ 0 %	→ 6 %	→ 24 %	→ 70 %	→ 100 %

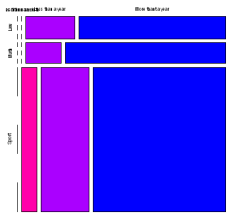
Quartiles

Modal.	:	**Law**	**Math**	**Sport**
Q1	:	Less than a year	Less than a year	Less than a month
Q2	:	Less than a year	More thant a year	Less than a year
Q3	:	More thant a year	More thant a year	More thant a year
Q4	:	More thant a year	More thant a year	More thant a year
Q5	:	More thant a year	More thant a year	More thant a year

Barplot



Mosaic



Tests

χ^2 test	χ^2 = NaN	p = NaN	NA
ANOVA	F = 0.8939	p = 0.4124	

8.3 Ordered~Ordered

data$howLongTogether ~ data$transWithCondom

Ordered(4) ~ Ordered(3) N=156 ; NA=61 (39.1%)

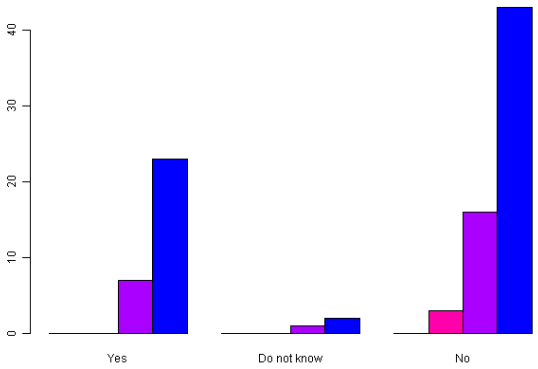
Table

	Less than a week	Less than a month	Less than a year	More thant a year	Total
Yes	0	0	7	23	30
	→ 0 %	→ 0 %	→ 23.33 %	→ 76.67 %	→ 100 %
Do not know	0	0	1	2	3
	→ 0 %	→ 0 %	→ 33.33 %	→ 66.67 %	→ 100 %
No	0	3	16	43	62
	→ 0 %	→ 4.84 %	→ 25.81 %	→ 69.35 %	→ 100 %
Total	0	3	24	68	95
	→ 0 %	→ 3.16 %	→ 25.26 %	→ 71.58 %	→ 100 %

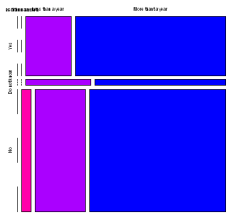
Quartiles

Modal.	:	**Yes**	**Do not know**	**No**
Q1	:	Less than a year	Less than a year	Less than a month
Q2	:	More thant a year	Less than a year	Less than a year
Q3	:	More thant a year	More thant a year	More thant a year
Q4	:	More thant a year	More thant a year	More thant a year
Q5	:	More thant a year	More thant a year	More thant a year

Barplot



Mosaic



Tests

χ^2 test	χ^2 = NaN	p = NaN	NA
Fisher's Exact Test		p = 0.7801	
Kruskal-Wallis (y x)	K = 0.7176	p = 0.6985	
Kruskal-Wallis (x y)	K = 1.7268	p = 0.4217	
Cor Pearson	ρ_P = -0.1055	p = 0.3091	
Cor Spearman	ρ_S = -0.0834	p = 0.4218	

8.4 Ordered~Discrete

data$howLongTogether ~ data$brothersSisters

Ordered(4) ~ Discrete(5) N=156 ; NA=57 (36.54%)

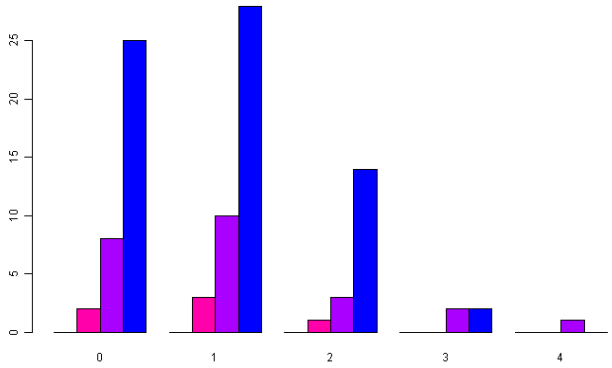
Table

	Less than a week	Less than a month	Less than a year	More thant a year	Total
0	0	2	8	25	35
	→ 0 %	→ 5.71 %	→ 22.86 %	→ 71.43 %	→ 100 %
1	0	3	10	28	41
	→ 0 %	→ 7.32 %	→ 24.39 %	→ 68.29 %	→ 100 %
2	0	1	3	14	18
	→ 0 %	→ 5.56 %	→ 16.67 %	→ 77.78 %	→ 100 %
3	0	0	2	2	4
	→ 0 %	→ 0 %	→ 50 %	→ 50 %	→ 100 %
4	0	0	1	0	1
	→ 0 %	→ 0 %	→ 100 %	→ 0 %	→ 100 %
Total	0	6	24	69	99
	→ 0 %	→ 6.06 %	→ 24.24 %	→ 69.7 %	→ 100 %

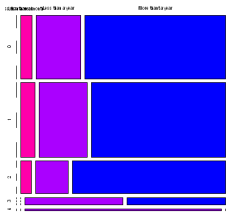
Quartiles

Modal.	**0**	**1**	**2**	**3**	**4**
Q1	Less than a month	Less than a month	Less than a month	Less than a year	Less than a year
Q2	Less than a year	Less than a year	More thant a year	Less than a year	Less than a year
Q3	More thant a year	More thant a year	More thant a year	Less than a year	Less than a year
Q4	More thant a year	More thant a year	More thant a year	More thant a year	Less than a year
Q5	More thant a year	More thant a year	More thant a year	More thant a year	Less than a year

Barplot



Mosaic



Tests

χ^2 test	χ^2 = NaN	p = NaN	NA
Fisher's Exact Test		p = 0.6812	
ANOVA	F = 0.424	p = 0.6556	
Kruskal-Wallis (y x)	K = 0.219	p = 0.8963	
Kruskal-Wallis (x y)	K = 2.9669	p = 0.5634	
Cor Pearson	ρ_P = -0.0419	p = 0.6804	
Cor Spearman	ρ_S = -0.0295	p = 0.7723	
NA			

8.5 Ordered~Continuous

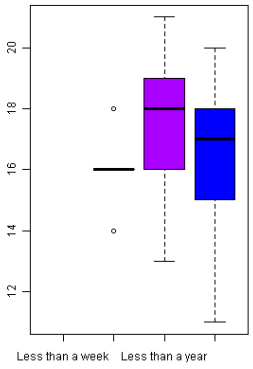
data$howLongTogether ~ data$firstRelation

Ordered(4) ~ Continuous — N=156 ; NA=59 (37.82%)

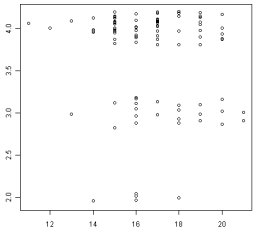
Summary

Modal. :	Less than a week	Less than a month	Less than a year	More thant a year
N :	56	62	80	126
NA :	56	57	57	57
Mean :	NaN	16	17.57	16.57
Var :	NA	2	4.44	3.87
SD :	NA	1.41	2.11	1.97
Min :	NA	14	13	11
Q1 :	NA	16	16	15
Median :	NA	16	18	17
Q3 :	NA	16	19	18
Max :	NA	18	21	20

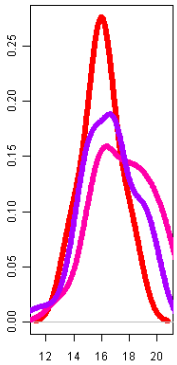
Boxplot



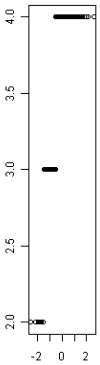
Scatter plot



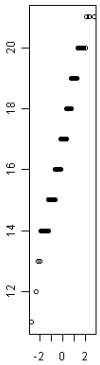
Density



QQplot (Ord.)



QQplot (Cont.)



Tests

ANOVA	F = 2.6013	p = 0.0795 .
Kruskal-Wallis (y x)	K = 4.5782	p = 0.1014
Cor Pearson	ρ_P = -0.0943	p = 0.3582
Cor Spearman	ρ_S = -0.1236	p = 0.2277

9 Discrete

9.1 Discretel~Logical

data$brothersSisters ~ data$gender

Discrete(5) ~ Nominal(2) N=156 ; NA=1 (0.64%)

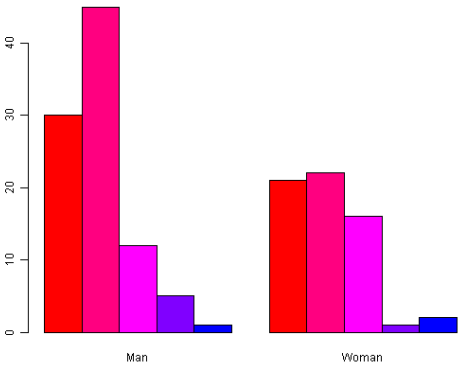
Table

	0	1	2	3	4	Total
Man	30	45	12	5	1	93
	→ 32.26 %	→ 48.39 %	→ 12.9 %	→ 5.38 %	→ 1.08 %	→ 100 %
Woman	21	22	16	1	2	62
	→ 33.87 %	→ 35.48 %	→ 25.81 %	→ 1.61 %	→ 3.23 %	→ 100 %
Total	51	67	28	6	3	155
	→ 32.9 %	→ 43.23 %	→ 18.06 %	→ 3.87 %	→ 1.94 %	→ 100 %

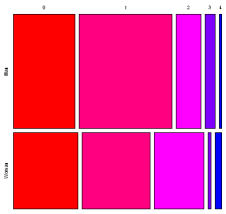
Summary

Modal.	:	**Man**	**Woman**
N	:	94	62
NA	:	1	0
Mean	:	0.95	1.05
Var	:	0.77	0.96
SD	:	0.88	0.98
Min	:	0	0
Q1	:	0	0
Median	:	1	1
Q3	:	1	2
Max	:	4	4

Barplot



Mosaic



Tests

χ^2 test	χ^2 = 7.1408	p = 0.1286
Fisher's Exact Test		p = 0.1294
T test	T = -0.6617	p = 0.5094
Wilcoxon	W = 2725.5	p = 0.5405

9.2 Discrete∼Factor

data$brothersSisters ∼ data$area

Discrete(5) ∼ Nominal(3) N=156 ; NA=1 (0.64%)

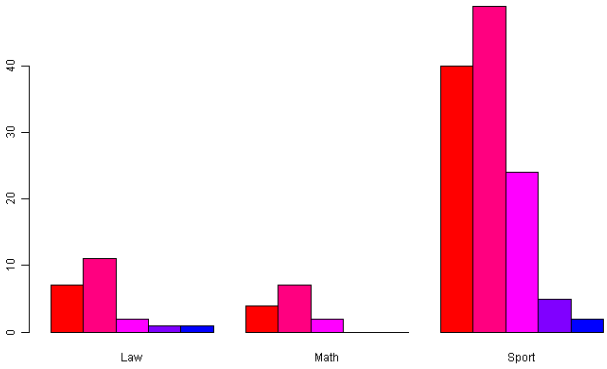
Table

	0	1	2	3	4	Total
Law	7	11	2	1	1	22
	→ 31.82 %	→ 50 %	→ 9.09 %	→ 4.55 %	→ 4.55 %	→ 100 %
Math	4	7	2	0	0	13
	→ 30.77 %	→ 53.85 %	→ 15.38 %	→ 0 %	→ 0 %	→ 100 %
Sport	40	49	24	5	2	120
	→ 33.33 %	→ 40.83 %	→ 20 %	→ 4.17 %	→ 1.67 %	→ 100 %
Total	51	67	28	6	3	155
	→ 32.9 %	→ 43.23 %	→ 18.06 %	→ 3.87 %	→ 1.94 %	→ 100 %

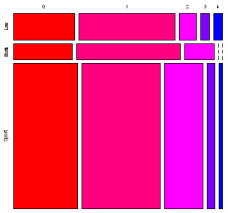
Summary

Modal.	:	**Law**	**Math**	**Sport**
N	:	22	13	121
NA	:	0	0	1
Mean	:	1	0.85	1
Var	:	1.05	0.47	0.86
SD	:	1.02	0.69	0.93
Min	:	0	0	0
Q1	:	0	0	0
Median	:	1	1	1
Q3	:	1	1	2
Max	:	4	2	4

Barplot



Mosaic



Tests

χ^2 test	$\chi^2 = 3.6724$	p = 0.8854
Fisher's Exact Test		p = 0.8531
ANOVA	F = 0.1652	p = 0.8479
Kruskal-Wallis (y x)	K = 0.1632	p = 0.9216

9.3 Discrete∼Ordered

data$brothersSisters ∼ data$transWithCondom

Discrete(5) ∼ Ordered(3) N=156 ; NA=11 (7.05%)

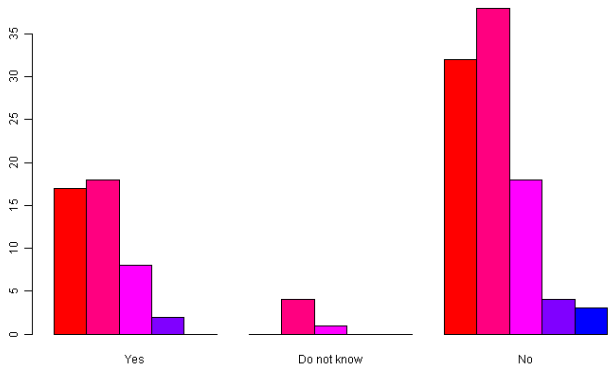
Table

	0	1	2	3	4	Total
Yes	17	18	8	2	0	45
	→ 37.78 %	→ 40 %	→ 17.78 %	→ 4.44 %	→ 0 %	→ 100 %
Do not know	0	4	1	0	0	5
	→ 0 %	→ 80 %	→ 20 %	→ 0 %	→ 0 %	→ 100 %
No	32	38	18	4	3	95
	→ 33.68 %	→ 40 %	→ 18.95 %	→ 4.21 %	→ 3.16 %	→ 100 %
Total	49	60	27	6	3	145
	→ 33.79 %	→ 41.38 %	→ 18.62 %	→ 4.14 %	→ 2.07 %	→ 100 %

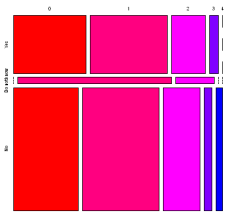
Summary

Modal. :	**Yes**	**Do not know**	**No**
N :	55	15	106
NA :	10	10	11
Mean :	0.89	1.2	1.03
Var :	0.74	0.2	0.99
SD :	0.86	0.45	0.99
Min :	0	1	0
Q1 :	0	1	0
Median :	1	1	1
Q3 :	1	1	2
Max :	3	2	4

Barplot



Mosaic



Tests

χ^2 test	$\chi^2 = 5.5931$	p = 0.6927
Fisher's Exact Test		p = 0.7091
ANOVA	F = 0.4747	p = 0.6231
Kruskal-Wallis (y x)	K = 1.188	p = 0.5521
Kruskal-Wallis (x y)	K = 1.6382	p = 0.8019
Cor Pearson	$\rho_P = 0.0668$	p = 0.4245
Cor Spearman	$\rho_S = 0.0436$	p = 0.6023
NA		

9.4 Discrete~Discrete

data$brothersSisters ~ data$firstRelation

Discrete(5) ~ Discrete(11) N=156 ; NA=17 (10.9%)

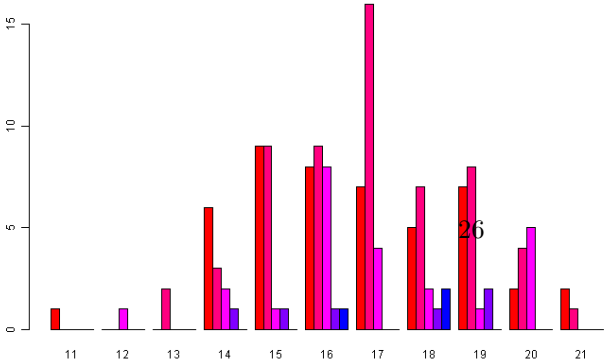
Table

	0	1	2	3	4	Total
11	1 → 100 %	0 → 0 %	0 → 0 %	0 → 0 %	0 → 0 %	1 → 100 %
12	0 → 0 %	0 → 0 %	1 → 100 %	0 → 0 %	0 → 0 %	1 → 100 %
13	0 → 0 %	2 → 100 %	0 → 0 %	0 → 0 %	0 → 0 %	2 → 100 %
14	6 → 50 %	3 → 25 %	2 → 16.67 %	1 → 8.33 %	0 → 0 %	12 → 100 %
15	9 → 45 %	9 → 45 %	1 → 5 %	1 → 5 %	0 → 0 %	20 → 100 %
16	8 → 29.63 %	9 → 33.33 %	8 → 29.63 %	1 → 3.7 %	1 → 3.7 %	27 → 100 %
17	7 → 25.93 %	16 → 59.26 %	4 → 14.81 %	0 → 0 %	0 → 0 %	27 → 100 %
18	5 → 29.41 %	7 → 41.18 %	2 → 11.76 %	1 → 5.88 %	2 → 11.76 %	17 → 100 %
19	7 → 38.89 %	8 → 44.44 %	1 → 5.56 %	2 → 11.11 %	0 → 0 %	18 → 100 %
20	2 → 18.18 %	4 → 36.36 %	5 → 45.45 %	0 → 0 %	0 → 0 %	11 → 100 %
21	2 → 66.67 %	1 → 33.33 %	0 → 0 %	0 → 0 %	0 → 0 %	3 → 100 %
Total	47 → 33.81 %	59 → 42.45 %	24 → 17.27 %	6 → 4.32 %	3 → 2.16 %	139 → 100 %

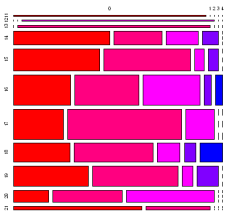
Summary

Modal. :	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
N :	17	17	18	28	36	43	43	34	34	27	19
NA :	16	16	16	16	16	16	16	17	16	16	16
Mean :	0	2	1	0.83	0.7	1.19	0.89	1.29	0.89	1.27	0.33
Var :	NA	NA	0	1.06	0.64	1.08	0.41	1.72	0.93	0.62	0.33
SD :	NA	NA	0	1.03	0.8	1.04	0.64	1.31	0.96	0.79	0.58
Min :	0	2	1	0	0	0	0	0	0	0	0
Q1 :	0	2	1	0	0	0	0.5	0	0	1	0
Median :	0	2	1	0.5	1	1	1	1	1	1	0
Q3 :	0	2	1	1.25	1	2	1	2	1	2	0.5
Max :	0	2	1	3	3	4	2	4	3	2	1

Barplot



Mosaic



Tests

χ^2 test	$\chi^2 = 42.5044$	p = 0.3637
Fisher's Exact Test		p = 0.2864

9.5 Discrete∼Continuous

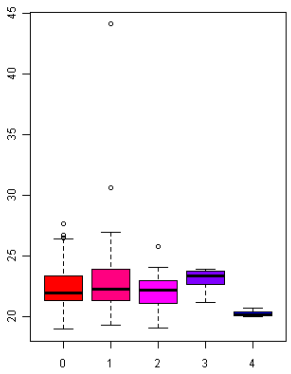
data$brothersSisters ∼ data$age

Discrete(5) ∼ Continuous — N=156 ; NA=1 (0.64%)

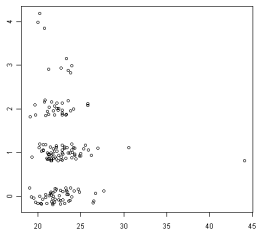
Summary

Modal. :	0	1	2	3	4
N :	52	68	29	7	4
NA :	1	1	1	1	1
Mean :	22.39	23.02	22.19	23.07	20.3
Var :	3.62	10.42	2.58	1.02	0.13
SD :	1.9	3.23	1.61	1.01	0.36
Min :	19	19.3	19.1	21.2	20
Q1 :	21.35	21.35	21.17	22.85	20.1
Median :	22	22.3	22.2	23.4	20.2
Q3 :	23.4	23.9	22.9	23.73	20.45
Max :	27.7	44.1	25.8	23.9	20.7

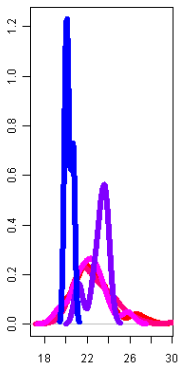
Boxplot



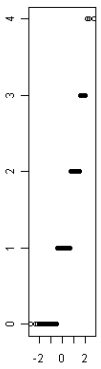
Scatter plot



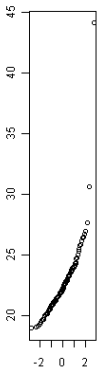
Density



QQplot (Ord.)



QQplot (Cont.)



Tests

ANOVA	F = 1.4269	p = 0.2278
Kruskal-Wallis (y x)	K = 8.86	p = 0.0647 .
Cor Pearson	ρ_P = -0.0442	p = 0.5849
Cor Spearman	ρ_S = -0.0146	p = 0.8569

10 Continuous

10.1 Continuousl~Logical

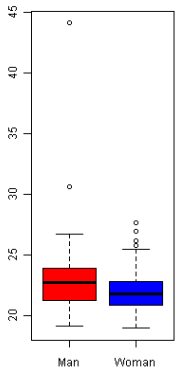
data$age ~ data$gender

Continuous ~ Nominal(2) N=156 ; NA=0 (0%)

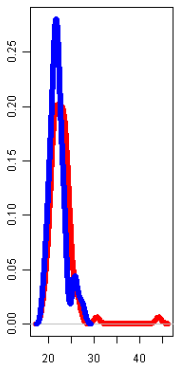
Summary

Modal.	:	**Man**	**Woman**
N	:	94	62
NA	:	0	0
Mean	:	22.9	22.14
Var	:	8.21	3.27
SD	:	2.87	1.81
Min	:	19.2	19
Q1	:	21.35	20.97
Median	:	22.75	21.85
Q3	:	23.87	22.8
Max	:	44.1	27.7

Boxplot



Density



Tests

T test	T = 2.0439	p = 0.0427	*
Wilcoxon	W = 3534	p = 0.0248	*

10.2 Continuous~Factor

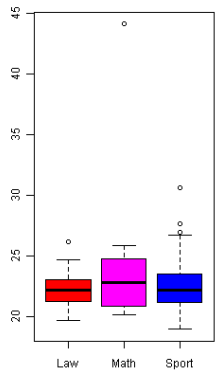
data$age ~ data$area

Continuous ~ Nominal(3) N=156 ; NA=0 (0%)

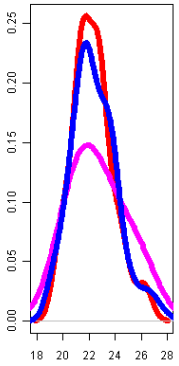
Summary

Modal.	:	**Law**	**Math**	**Sport**
N	:	22	13	121
NA	:	0	0	0
Mean	:	22.31	24.34	22.46
Var	:	2.44	38.78	3.54
SD	:	1.56	6.23	1.88
Min	:	19.7	20.2	19
Q1	:	21.35	20.9	21.2
Median	:	22.25	22.8	22.2
Q3	:	23.03	24.8	23.5
Max	:	26.2	44.1	30.6

Boxplot



Density



Tests

ANOVA	F = 3.5265	p = 0.0318	*
Kruskal-Wallis (y x)	K = 0.6014	p = 0.7403	

10.3 Continuous~Ordered

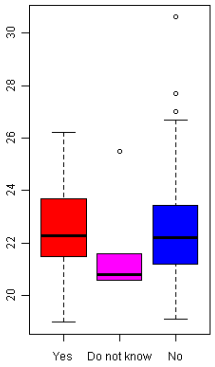
data$age ~ data$transWithCondom

Continuous ~ Ordered(3) N=156 ; NA=10 (6.41%)

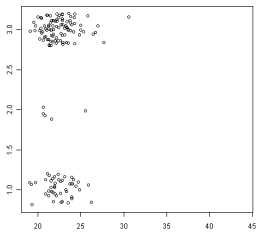
Summary

Modal. :	Yes	Do not know	No
N :	55	15	106
NA :	10	10	10
Mean :	22.45	21.82	22.47
Var :	2.62	4.4	3.6
SD :	1.62	2.1	1.9
Min :	19	20.6	19.1
Q1 :	21.5	20.6	21.2
Median :	22.3	20.8	22.2
Q3 :	23.7	21.6	23.42
Max :	26.2	25.5	30.6

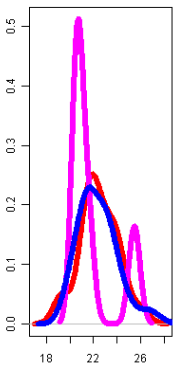
Boxplot



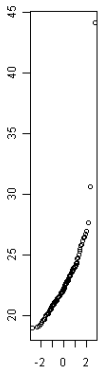
Scatter plot



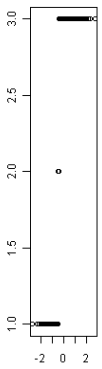
Density



QQplot (Cont.)



QQplot (Ord.)



Tests

ANOVA	F = 0.3014	p = 0.7402
Kruskal-Wallis (y x)	K = 1.8516	p = 0.3962
Cor Pearson	ρ_P = 0.0102	p = 0.9027
Cor Spearman	ρ_S = -0.0269	p = 0.7476

10.4 Continuous~Discrete

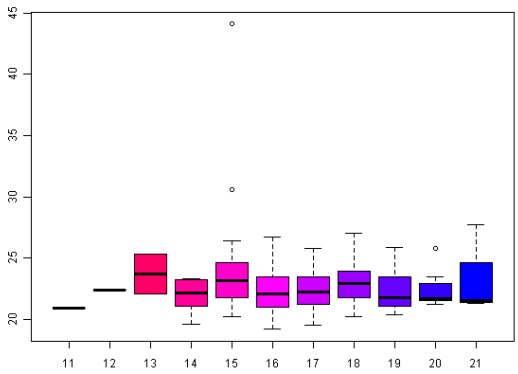
data$age ~ data$firstRelation

Continuous ~ Discrete(11) N=156 ; NA=16 (10.26%)

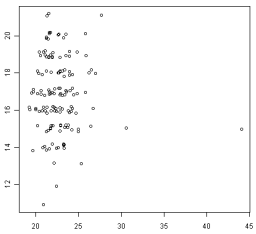
Summary

Modal. :	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**
N :	17	17	18	28	36	43	43	34	34	27	19
NA :	16	16	16	16	16	16	16	16	16	16	16
Mean :	20.9	22.4	23.7	22.01	24.41	22.2	22.3	23.15	22.25	22.41	23.5
Var :	NA	NA	5.12	1.44	26.58	3.17	2.74	3.95	2.41	1.92	13.24
SD :	NA	NA	2.26	1.2	5.16	1.78	1.66	1.99	1.55	1.39	3.64
Min :	20.9	22.4	22.1	19.6	20.2	19.2	19.5	20.2	20.4	21.2	21.3
Q1 :	20.9	22.4	22.9	21.15	21.78	21	21.25	22	21.12	21.5	21.4
Median :	20.9	22.4	23.7	22.15	23.15	22.1	22.2	22.95	21.8	21.7	21.5
Q3 :	20.9	22.4	24.5	23.2	24.4	23.45	23.45	23.9	23.32	22.95	24.6
Max :	20.9	22.4	25.3	23.3	44.1	26.7	25.8	27	25.9	25.8	27.7

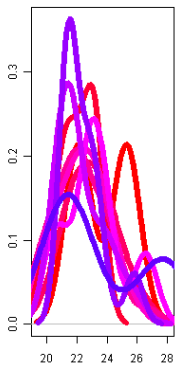
Boxplot



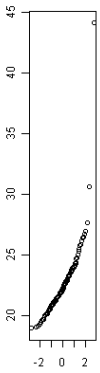
Scatter plot



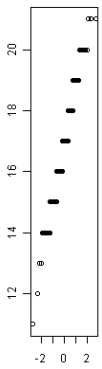
Density



QQplot (Cont.)



QQplot (Disc.)



Tests

ANOVA	F = 1.4116	p = 0.1821
Kruskal-Wallis (y x)	K = 10.5052	p = 0.3973
Cor Pearson	ρ_P = -0.0479	p = 0.5741
Cor Spearman	ρ_S = -0.0384	p = 0.652

10.5 Continuous~Continuous

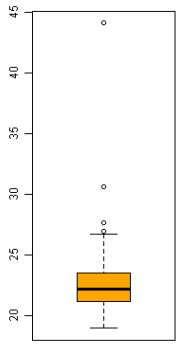
data$age ~ data$firstRelation

Continuous ~ Continuous — N=156 ; NA=16 (10.26%)

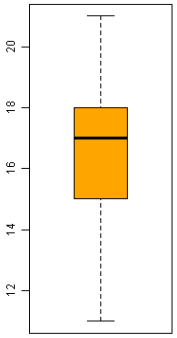
Summary

Modal.	**y**	**x**
N	156	156
NA	0	16
Mean	22.6	16.84
Var	6.35	3.89
SD	2.52	1.97
Min	19	11
Q1	21.2	15
Median	22.2	17
Q3	23.5	18
Max	44.1	21

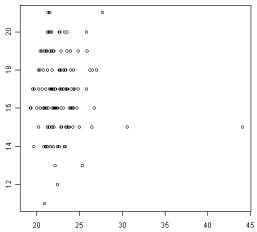
Boxplot



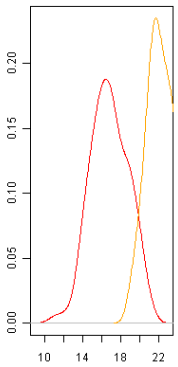
Boxplot



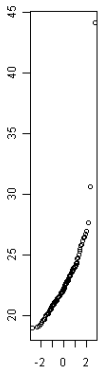
Scatter plot



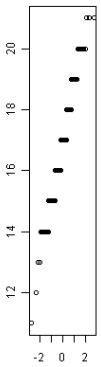
Density



QQplot (y)



QQplot (x)



Tests

Cor Pearson	ρ_P = -0.0479	p = 0.5741
Cor Spearman	ρ_S = -0.0384	p = 0.652