########Bivariate Analysis with Demographic Information##########

> CrossTable(AgeGroup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

AgeGroup | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

18-21 | 86 | 68 | 154 |

| 0.558 | 0.442 | 0.435 |

-------------|-----------|-----------|-----------|

22-25 | 70 | 52 | 122 |

| 0.574 | 0.426 | 0.345 |

-------------|-----------|-----------|-----------|

26-29 | 35 | 15 | 50 |

| 0.700 | 0.300 | 0.141 |

-------------|-----------|-----------|-----------|

30-35 | 14 | 14 | 28 |

| 0.500 | 0.500 | 0.079 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 4.001001 d.f. = 3 p = 0.2613561

> CrossTable(m1\_hd, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_hd | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

Badarganz | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

-------------|-----------|-----------|-----------|

Bagerhat | 1 | 1 | 2 |

| 0.500 | 0.500 | 0.006 |

-------------|-----------|-----------|-----------|

Barisal | 6 | 7 | 13 |

| 0.462 | 0.538 | 0.037 |

-------------|-----------|-----------|-----------|

Bhola | 4 | 0 | 4 |

| 1.000 | 0.000 | 0.011 |

-------------|-----------|-----------|-----------|

Bogra | 7 | 3 | 10 |

| 0.700 | 0.300 | 0.028 |

-------------|-----------|-----------|-----------|

Borguna | 2 | 0 | 2 |

| 1.000 | 0.000 | 0.006 |

-------------|-----------|-----------|-----------|

Brahmenbaria | 1 | 4 | 5 |

| 0.200 | 0.800 | 0.014 |

-------------|-----------|-----------|-----------|

Chandpur | 3 | 6 | 9 |

| 0.333 | 0.667 | 0.025 |

-------------|-----------|-----------|-----------|

Chittagong | 14 | 3 | 17 |

| 0.824 | 0.176 | 0.048 |

-------------|-----------|-----------|-----------|

Chuadanga | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

-------------|-----------|-----------|-----------|

Comilla | 10 | 8 | 18 |

| 0.556 | 0.444 | 0.051 |

-------------|-----------|-----------|-----------|

Cox's Bazar | 2 | 0 | 2 |

| 1.000 | 0.000 | 0.006 |

-------------|-----------|-----------|-----------|

Dhaka | 44 | 20 | 64 |

| 0.688 | 0.312 | 0.181 |

-------------|-----------|-----------|-----------|

Dinajpur | 1 | 4 | 5 |

| 0.200 | 0.800 | 0.014 |

-------------|-----------|-----------|-----------|

Faridpur | 6 | 3 | 9 |

| 0.667 | 0.333 | 0.025 |

-------------|-----------|-----------|-----------|

Feni | 4 | 4 | 8 |

| 0.500 | 0.500 | 0.023 |

-------------|-----------|-----------|-----------|

Gaibandha | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

-------------|-----------|-----------|-----------|

Gazipur | 3 | 3 | 6 |

| 0.500 | 0.500 | 0.017 |

-------------|-----------|-----------|-----------|

Gopalganz | 5 | 2 | 7 |

| 0.714 | 0.286 | 0.020 |

-------------|-----------|-----------|-----------|

Jamalpur | 4 | 1 | 5 |

| 0.800 | 0.200 | 0.014 |

-------------|-----------|-----------|-----------|

Jessore | 3 | 3 | 6 |

| 0.500 | 0.500 | 0.017 |

-------------|-----------|-----------|-----------|

Jhalokathi | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Jhenaidah | 1 | 1 | 2 |

| 0.500 | 0.500 | 0.006 |

-------------|-----------|-----------|-----------|

Joypurhat | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

-------------|-----------|-----------|-----------|

Kashmir | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Khagrachari | 2 | 1 | 3 |

| 0.667 | 0.333 | 0.008 |

-------------|-----------|-----------|-----------|

Khulna | 5 | 2 | 7 |

| 0.714 | 0.286 | 0.020 |

-------------|-----------|-----------|-----------|

Kishoreganz | 0 | 2 | 2 |

| 0.000 | 1.000 | 0.006 |

-------------|-----------|-----------|-----------|

Korea | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Kurigram | 3 | 0 | 3 |

| 1.000 | 0.000 | 0.008 |

-------------|-----------|-----------|-----------|

Kushtia | 1 | 3 | 4 |

| 0.250 | 0.750 | 0.011 |

-------------|-----------|-----------|-----------|

Lalmonirhat | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

-------------|-----------|-----------|-----------|

Laxmipur | 1 | 1 | 2 |

| 0.500 | 0.500 | 0.006 |

-------------|-----------|-----------|-----------|

Madaripur | 4 | 7 | 11 |

| 0.364 | 0.636 | 0.031 |

-------------|-----------|-----------|-----------|

Magura | 2 | 0 | 2 |

| 1.000 | 0.000 | 0.006 |

-------------|-----------|-----------|-----------|

Manikganz | 2 | 2 | 4 |

| 0.500 | 0.500 | 0.011 |

-------------|-----------|-----------|-----------|

Modhupur | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

-------------|-----------|-----------|-----------|

Mohonganz | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

-------------|-----------|-----------|-----------|

Mongla | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Munshiganz | 6 | 2 | 8 |

| 0.750 | 0.250 | 0.023 |

-------------|-----------|-----------|-----------|

Mymensingh | 6 | 2 | 8 |

| 0.750 | 0.250 | 0.023 |

-------------|-----------|-----------|-----------|

Naogaon | 0 | 2 | 2 |

| 0.000 | 1.000 | 0.006 |

-------------|-----------|-----------|-----------|

Narail | 1 | 1 | 2 |

| 0.500 | 0.500 | 0.006 |

-------------|-----------|-----------|-----------|

Narayanganz | 3 | 3 | 6 |

| 0.500 | 0.500 | 0.017 |

-------------|-----------|-----------|-----------|

Natore | 0 | 3 | 3 |

| 0.000 | 1.000 | 0.008 |

-------------|-----------|-----------|-----------|

Netrokona | 0 | 2 | 2 |

| 0.000 | 1.000 | 0.006 |

-------------|-----------|-----------|-----------|

Nilphamari | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Noakhali | 4 | 5 | 9 |

| 0.444 | 0.556 | 0.025 |

-------------|-----------|-----------|-----------|

Norsingdi | 3 | 3 | 6 |

| 0.500 | 0.500 | 0.017 |

-------------|-----------|-----------|-----------|

Nowga | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

-------------|-----------|-----------|-----------|

Pabna | 3 | 3 | 6 |

| 0.500 | 0.500 | 0.017 |

-------------|-----------|-----------|-----------|

Panchagor | 2 | 0 | 2 |

| 1.000 | 0.000 | 0.006 |

-------------|-----------|-----------|-----------|

Patuakhali | 2 | 1 | 3 |

| 0.667 | 0.333 | 0.008 |

-------------|-----------|-----------|-----------|

Pirojpur | 2 | 2 | 4 |

| 0.500 | 0.500 | 0.011 |

-------------|-----------|-----------|-----------|

Rajbari | 2 | 2 | 4 |

| 0.500 | 0.500 | 0.011 |

-------------|-----------|-----------|-----------|

Rajshahi | 1 | 2 | 3 |

| 0.333 | 0.667 | 0.008 |

-------------|-----------|-----------|-----------|

Rangpur | 3 | 2 | 5 |

| 0.600 | 0.400 | 0.014 |

-------------|-----------|-----------|-----------|

Santahar | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Satkhira | 0 | 2 | 2 |

| 0.000 | 1.000 | 0.006 |

-------------|-----------|-----------|-----------|

Shariatpur | 1 | 2 | 3 |

| 0.333 | 0.667 | 0.008 |

-------------|-----------|-----------|-----------|

Shoriatpur | 2 | 0 | 2 |

| 1.000 | 0.000 | 0.006 |

-------------|-----------|-----------|-----------|

Sirajganz | 0 | 3 | 3 |

| 0.000 | 1.000 | 0.008 |

-------------|-----------|-----------|-----------|

Syedpur | 0 | 1 | 1 |

| 0.000 | 1.000 | 0.003 |

-------------|-----------|-----------|-----------|

Sylhet | 4 | 4 | 8 |

| 0.500 | 0.500 | 0.023 |

-------------|-----------|-----------|-----------|

Tangail | 9 | 3 | 12 |

| 0.750 | 0.250 | 0.034 |

-------------|-----------|-----------|-----------|

Thakurgaon | 4 | 0 | 4 |

| 1.000 | 0.000 | 0.011 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 81.63498 d.f. = 65 p = 0.07961148

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m1\_marital, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_marital | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 43 | 29 | 72 |

| 0.597 | 0.403 | 0.203 |

-------------|-----------|-----------|-----------|

2 | 157 | 111 | 268 |

| 0.586 | 0.414 | 0.757 |

-------------|-----------|-----------|-----------|

3 | 2 | 5 | 7 |

| 0.286 | 0.714 | 0.020 |

-------------|-----------|-----------|-----------|

4 | 3 | 4 | 7 |

| 0.429 | 0.571 | 0.020 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 3.269374 d.f. = 3 p = 0.351928

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m1\_preg, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_preg | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 11 | 9 | 20 |

| 0.550 | 0.450 | 0.056 |

-------------|-----------|-----------|-----------|

2 | 85 | 75 | 160 |

| 0.531 | 0.469 | 0.452 |

-------------|-----------|-----------|-----------|

3 | 109 | 65 | 174 |

| 0.626 | 0.374 | 0.492 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 3.17206 d.f. = 2 p = 0.2047368

> CrossTable(m1\_edu, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_edu | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

3 | 66 | 54 | 120 |

| 0.550 | 0.450 | 0.339 |

-------------|-----------|-----------|-----------|

4 | 139 | 95 | 234 |

| 0.594 | 0.406 | 0.661 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.630526 d.f. = 1 p = 0.4271625

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.4628688 d.f. = 1 p = 0.4962863

> CrossTable(m1\_dad\_edu, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_dad\_edu | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

2 | 3 | 5 | 8 |

| 0.375 | 0.625 | 0.023 |

-------------|-----------|-----------|-----------|

3 | 28 | 19 | 47 |

| 0.596 | 0.404 | 0.133 |

-------------|-----------|-----------|-----------|

4 | 166 | 118 | 284 |

| 0.585 | 0.415 | 0.802 |

-------------|-----------|-----------|-----------|

5 | 6 | 6 | 12 |

| 0.500 | 0.500 | 0.034 |

-------------|-----------|-----------|-----------|

6 | 1 | 1 | 2 |

| 0.500 | 0.500 | 0.006 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 2.540909 d.f. = 5 p = 0.7703219

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m1\_dad\_occup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_dad\_occup | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 44 | 34 | 78 |

| 0.564 | 0.436 | 0.220 |

-------------|-----------|-----------|-----------|

2 | 46 | 30 | 76 |

| 0.605 | 0.395 | 0.215 |

-------------|-----------|-----------|-----------|

3 | 84 | 64 | 148 |

| 0.568 | 0.432 | 0.418 |

-------------|-----------|-----------|-----------|

4 | 7 | 8 | 15 |

| 0.467 | 0.533 | 0.042 |

-------------|-----------|-----------|-----------|

5 | 23 | 13 | 36 |

| 0.639 | 0.361 | 0.102 |

-------------|-----------|-----------|-----------|

6 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 2.398894 d.f. = 5 p = 0.7916388

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m1\_mom\_edu, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_mom\_edu | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 3 | 4 | 7 |

| 0.429 | 0.571 | 0.020 |

-------------|-----------|-----------|-----------|

2 | 14 | 16 | 30 |

| 0.467 | 0.533 | 0.085 |

-------------|-----------|-----------|-----------|

3 | 57 | 47 | 104 |

| 0.548 | 0.452 | 0.294 |

-------------|-----------|-----------|-----------|

4 | 122 | 78 | 200 |

| 0.610 | 0.390 | 0.565 |

-------------|-----------|-----------|-----------|

5 | 8 | 3 | 11 |

| 0.727 | 0.273 | 0.031 |

-------------|-----------|-----------|-----------|

6 | 1 | 1 | 2 |

| 0.500 | 0.500 | 0.006 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 4.442881 d.f. = 5 p = 0.4875619

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m1\_mom\_occup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_mom\_occup | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 24 | 12 | 36 |

| 0.667 | 0.333 | 0.102 |

-------------|-----------|-----------|-----------|

2 | 28 | 15 | 43 |

| 0.651 | 0.349 | 0.121 |

-------------|-----------|-----------|-----------|

3 | 129 | 104 | 233 |

| 0.554 | 0.446 | 0.658 |

-------------|-----------|-----------|-----------|

4 | 4 | 4 | 8 |

| 0.500 | 0.500 | 0.023 |

-------------|-----------|-----------|-----------|

5 | 6 | 6 | 12 |

| 0.500 | 0.500 | 0.034 |

-------------|-----------|-----------|-----------|

6 | 14 | 8 | 22 |

| 0.636 | 0.364 | 0.062 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 3.47726 d.f. = 5 p = 0.6268312

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m1\_fin\_cond, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_fin\_cond | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 31 | 13 | 44 |

| 0.705 | 0.295 | 0.124 |

-------------|-----------|-----------|-----------|

2 | 80 | 69 | 149 |

| 0.537 | 0.463 | 0.421 |

-------------|-----------|-----------|-----------|

3 | 83 | 59 | 142 |

| 0.585 | 0.415 | 0.401 |

-------------|-----------|-----------|-----------|

4 | 7 | 8 | 15 |

| 0.467 | 0.533 | 0.042 |

-------------|-----------|-----------|-----------|

5 | 4 | 0 | 4 |

| 1.000 | 0.000 | 0.011 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 7.630926 d.f. = 4 p = 0.1060727

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m1\_fam\_type, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m1\_fam\_type | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 120 | 83 | 203 |

| 0.591 | 0.409 | 0.573 |

-------------|-----------|-----------|-----------|

2 | 76 | 58 | 134 |

| 0.567 | 0.433 | 0.379 |

-------------|-----------|-----------|-----------|

3 | 8 | 6 | 14 |

| 0.571 | 0.429 | 0.040 |

-------------|-----------|-----------|-----------|

4 | 1 | 2 | 3 |

| 0.333 | 0.667 | 0.008 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.9457095 d.f. = 3 p = 0.8143854

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

**########Bivariate Analysis with Socio-economic Information##########**

> CrossTable(Myopia\_DED$FamMemGroup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

Myopia\_DED$FamMemGroup | 1 | 2 | Row Total |

-----------------------|-----------|-----------|-----------|

Below 5 | 69 | 61 | 130 |

| 0.531 | 0.469 | 0.367 |

-----------------------|-----------|-----------|-----------|

5-7 | 98 | 48 | 146 |

| 0.671 | 0.329 | 0.412 |

-----------------------|-----------|-----------|-----------|

8 or More | 38 | 40 | 78 |

| 0.487 | 0.513 | 0.220 |

-----------------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-----------------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 9.034199 d.f. = 2 p = 0.01092065

> CrossTable(Myopia\_DED$ChildGroup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

Myopia\_DED$ChildGroup | 1 | 2 | Row Total |

----------------------|-----------|-----------|-----------|

Below 2 | 143 | 98 | 241 |

| 0.593 | 0.407 | 0.681 |

----------------------|-----------|-----------|-----------|

2-4 | 55 | 45 | 100 |

| 0.550 | 0.450 | 0.282 |

----------------------|-----------|-----------|-----------|

5 or More | 7 | 6 | 13 |

| 0.538 | 0.462 | 0.037 |

----------------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

----------------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.636586 d.f. = 2 p = 0.7273896

> CrossTable(Myopia\_DED$OlderGroup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

Myopia\_DED$OlderGroup | 1 | 2 | Row Total |

----------------------|-----------|-----------|-----------|

Below 3 | 196 | 138 | 334 |

| 0.587 | 0.413 | 0.944 |

----------------------|-----------|-----------|-----------|

3 or More | 9 | 11 | 20 |

| 0.450 | 0.550 | 0.056 |

----------------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

----------------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.449369 d.f. = 1 p = 0.2286292

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.9423704 d.f. = 1 p = 0.331669

> CrossTable(Myopia\_DED$EarningGroup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

Myopia\_DED$EarningGroup | 1 | 2 | Row Total |

------------------------|-----------|-----------|-----------|

Below 3 | 115 | 99 | 214 |

| 0.537 | 0.463 | 0.605 |

------------------------|-----------|-----------|-----------|

3-7 | 87 | 43 | 130 |

| 0.669 | 0.331 | 0.367 |

------------------------|-----------|-----------|-----------|

8 or More | 3 | 7 | 10 |

| 0.300 | 0.700 | 0.028 |

------------------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

------------------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 9.056448 d.f. = 2 p = 0.01079984

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(Myopia\_DED$IncomeGroup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

Myopia\_DED$IncomeGroup | 1 | 2 | Row Total |

-----------------------|-----------|-----------|-----------|

Below 100000 | 54 | 56 | 110 |

| 0.491 | 0.509 | 0.311 |

-----------------------|-----------|-----------|-----------|

100000-200000 | 93 | 57 | 150 |

| 0.620 | 0.380 | 0.424 |

-----------------------|-----------|-----------|-----------|

200001-400000 | 49 | 22 | 71 |

| 0.690 | 0.310 | 0.201 |

-----------------------|-----------|-----------|-----------|

400001 or More | 9 | 14 | 23 |

| 0.391 | 0.609 | 0.065 |

-----------------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-----------------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 11.45893 d.f. = 3 p = 0.00948633

########Bivariate Analysis with Clinical Treatment Information##########

CrossTable(m3a\_cdc, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a\_cdc | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 73 | 40 | 113 |

| 0.646 | 0.354 | 0.319 |

-------------|-----------|-----------|-----------|

2 | 132 | 109 | 241 |

| 0.548 | 0.452 | 0.681 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 3.049751 d.f. = 1 p = 0.08074952

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 2.659792 d.f. = 1 p = 0.1029142

> CrossTable(m3a\_diabetes, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a\_diabetes | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 20 | 12 | 32 |

| 0.625 | 0.375 | 0.090 |

-------------|-----------|-----------|-----------|

2 | 185 | 137 | 322 |

| 0.575 | 0.425 | 0.910 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.3041333 d.f. = 1 p = 0.5813027

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.1323261 d.f. = 1 p = 0.7160323

> CrossTable(m3a\_ckd, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a\_ckd | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 4 | 2 | 6 |

| 0.667 | 0.333 | 0.017 |

-------------|-----------|-----------|-----------|

2 | 201 | 147 | 348 |

| 0.578 | 0.422 | 0.983 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.1920253 d.f. = 1 p = 0.6612363

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.000449591 d.f. = 1 p = 0.9830833

Warning messages:

1: In chisq.test(t, correct = TRUE, ...) :

Chi-squared approximation may be incorrect

2: In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m3a\_chd, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a\_chd | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 4 | 4 | 8 |

| 0.500 | 0.500 | 0.023 |

-------------|-----------|-----------|-----------|

2 | 201 | 145 | 346 |

| 0.581 | 0.419 | 0.977 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.2100841 d.f. = 1 p = 0.6467015

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.009248957 d.f. = 1 p = 0.9233844

Warning messages:

1: In chisq.test(t, correct = TRUE, ...) :

Chi-squared approximation may be incorrect

2: In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m3a\_htn, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a\_htn | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 49 | 27 | 76 |

| 0.645 | 0.355 | 0.215 |

-------------|-----------|-----------|-----------|

2 | 156 | 122 | 278 |

| 0.561 | 0.439 | 0.785 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.710748 d.f. = 1 p = 0.1908883

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 1.385009 d.f. = 1 p = 0.2392498

> CrossTable(m3a\_stroke, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a\_stroke | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 1 | 2 | 3 |

| 0.333 | 0.667 | 0.008 |

-------------|-----------|-----------|-----------|

2 | 204 | 147 | 351 |

| 0.581 | 0.419 | 0.992 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.7497488 d.f. = 1 p = 0.3865558

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.07765928 d.f. = 1 p = 0.7804949

Warning messages:

1: In chisq.test(t, correct = TRUE, ...) :

Chi-squared approximation may be incorrect

2: In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m3a\_resp, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a\_resp | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 41 | 13 | 54 |

| 0.759 | 0.241 | 0.153 |

-------------|-----------|-----------|-----------|

2 | 164 | 136 | 300 |

| 0.547 | 0.453 | 0.847 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 8.485441 d.f. = 1 p = 0.003579998

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 7.635657 d.f. = 1 p = 0.005722555

> CrossTable(m3a\_other, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a\_other | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 11 | 15 | 26 |

| 0.423 | 0.577 | 0.073 |

-------------|-----------|-----------|-----------|

2 | 194 | 134 | 328 |

| 0.591 | 0.409 | 0.927 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 2.802366 d.f. = 1 p = 0.09412533

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 2.154108 d.f. = 1 p = 0.142189

> CrossTable(m3b\_ocu\_inf, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3b\_ocu\_inf | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 71 | 17 | 88 |

| 0.807 | 0.193 | 0.249 |

-------------|-----------|-----------|-----------|

2 | 134 | 132 | 266 |

| 0.504 | 0.496 | 0.751 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 24.91616 d.f. = 1 p = 5.987824e-07

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 23.68833 d.f. = 1 p = 1.132675e-06

> CrossTable(m3b\_all\_conj, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3b\_all\_conj | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 88 | 54 | 142 |

| 0.620 | 0.380 | 0.401 |

-------------|-----------|-----------|-----------|

2 | 117 | 95 | 212 |

| 0.552 | 0.448 | 0.599 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.605279 d.f. = 1 p = 0.2051568

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 1.339049 d.f. = 1 p = 0.2472017

> CrossTable(m3b\_other\_prob, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3b\_other\_prob | 1 | 2 | Row Total |

---------------|-----------|-----------|-----------|

1 | 20 | 12 | 32 |

| 0.625 | 0.375 | 0.090 |

---------------|-----------|-----------|-----------|

2 | 185 | 137 | 322 |

| 0.575 | 0.425 | 0.910 |

---------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

---------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.3041333 d.f. = 1 p = 0.5813027

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.1323261 d.f. = 1 p = 0.7160323

> CrossTable(m3a\_med\_cdc, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a\_med\_cdc | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 56 | 33 | 89 |

| 0.629 | 0.371 | 0.251 |

-------------|-----------|-----------|-----------|

2 | 149 | 116 | 265 |

| 0.562 | 0.438 | 0.749 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.225156 d.f. = 1 p = 0.2683511

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.9658802 d.f. = 1 p = 0.3257098

> CrossTable(m3b\_anthis, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3b\_anthis | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 77 | 37 | 114 |

| 0.675 | 0.325 | 0.322 |

-------------|-----------|-----------|-----------|

2 | 128 | 112 | 240 |

| 0.533 | 0.467 | 0.678 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 6.403237 d.f. = 1 p = 0.01139125

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 5.833497 d.f. = 1 p = 0.01572384

> CrossTable(m3b\_antchol, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3b\_antchol | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 44 | 24 | 68 |

| 0.647 | 0.353 | 0.192 |

-------------|-----------|-----------|-----------|

2 | 160 | 125 | 285 |

| 0.561 | 0.439 | 0.805 |

-------------|-----------|-----------|-----------|

4 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 2.381436 d.f. = 2 p = 0.3040029

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m3b\_tsteroid, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3b\_tsteroid | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 26 | 9 | 35 |

| 0.743 | 0.257 | 0.099 |

-------------|-----------|-----------|-----------|

2 | 179 | 140 | 319 |

| 0.561 | 0.439 | 0.901 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 4.27335 d.f. = 1 p = 0.03871453

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 3.560298 d.f. = 1 p = 0.05917711

> CrossTable(m3b\_antglc, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3b\_antglc | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 13 | 9 | 22 |

| 0.591 | 0.409 | 0.062 |

-------------|-----------|-----------|-----------|

2 | 192 | 140 | 332 |

| 0.578 | 0.422 | 0.938 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.01343006 d.f. = 1 p = 0.9077412

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 5.884426e-31 d.f. = 1 p = 1

> CrossTable(m3b\_other, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3b\_other | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 10 | 9 | 19 |

| 0.526 | 0.474 | 0.054 |

-------------|-----------|-----------|-----------|

2 | 195 | 140 | 335 |

| 0.582 | 0.418 | 0.946 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.2294676 d.f. = 1 p = 0.6319189

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.05769056 d.f. = 1 p = 0.8101841

> CrossTable(m3a1\_hcdc, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a1\_hcdc | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 148 | 100 | 248 |

| 0.597 | 0.403 | 0.701 |

-------------|-----------|-----------|-----------|

2 | 57 | 49 | 106 |

| 0.538 | 0.462 | 0.299 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.061913 d.f. = 1 p = 0.3027792

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.8335103 d.f. = 1 p = 0.3612594

> CrossTable(m3a1\_wcdc, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a1\_wcdc | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 20 | 26 | 46 |

| 0.435 | 0.565 | 0.130 |

-------------|-----------|-----------|-----------|

2 | 58 | 40 | 98 |

| 0.592 | 0.408 | 0.277 |

-------------|-----------|-----------|-----------|

3 | 83 | 39 | 122 |

| 0.680 | 0.320 | 0.345 |

-------------|-----------|-----------|-----------|

4 | 44 | 44 | 88 |

| 0.500 | 0.500 | 0.249 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 11.3837 d.f. = 3 p = 0.0098221

> CrossTable(m3a1\_diabetes, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a1\_diabetes | 1 | 2 | Row Total |

--------------|-----------|-----------|-----------|

1 | 95 | 59 | 154 |

| 0.617 | 0.383 | 0.435 |

--------------|-----------|-----------|-----------|

2 | 110 | 90 | 200 |

| 0.550 | 0.450 | 0.565 |

--------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

--------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.596787 d.f. = 1 p = 0.2063592

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 1.334176 d.f. = 1 p = 0.2480637

> CrossTable(m3a1\_ckd, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a1\_ckd | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 16 | 10 | 26 |

| 0.615 | 0.385 | 0.073 |

-------------|-----------|-----------|-----------|

2 | 188 | 139 | 327 |

| 0.575 | 0.425 | 0.924 |

-------------|-----------|-----------|-----------|

3 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.8906544 d.f. = 2 p = 0.6406146

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m3a1\_chd, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a1\_chd | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 31 | 11 | 42 |

| 0.738 | 0.262 | 0.119 |

-------------|-----------|-----------|-----------|

2 | 173 | 138 | 311 |

| 0.556 | 0.444 | 0.879 |

-------------|-----------|-----------|-----------|

3 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 5.747796 d.f. = 2 p = 0.05647834

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m3a1\_htn, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a1\_htn | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 103 | 71 | 174 |

| 0.592 | 0.408 | 0.492 |

-------------|-----------|-----------|-----------|

2 | 102 | 78 | 180 |

| 0.567 | 0.433 | 0.508 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.2321089 d.f. = 1 p = 0.6299645

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.139956 d.f. = 1 p = 0.7083247

> CrossTable(m3a1\_stroke, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a1\_stroke | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 25 | 23 | 48 |

| 0.521 | 0.479 | 0.136 |

-------------|-----------|-----------|-----------|

2 | 179 | 126 | 305 |

| 0.587 | 0.413 | 0.862 |

-------------|-----------|-----------|-----------|

3 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.471229 d.f. = 2 p = 0.4792108

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m3a1\_resp, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a1\_resp | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 51 | 38 | 89 |

| 0.573 | 0.427 | 0.251 |

-------------|-----------|-----------|-----------|

2 | 153 | 111 | 264 |

| 0.580 | 0.420 | 0.746 |

-------------|-----------|-----------|-----------|

3 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.7404675 d.f. = 2 p = 0.6905729

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m3a1\_other, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m3a1\_other | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 16 | 10 | 26 |

| 0.615 | 0.385 | 0.073 |

-------------|-----------|-----------|-----------|

2 | 188 | 139 | 327 |

| 0.575 | 0.425 | 0.924 |

-------------|-----------|-----------|-----------|

3 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.8906544 d.f. = 2 p = 0.6406146

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m3\_otl6m, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 353

| myopia

m3\_otl6m | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 95 | 30 | 125 |

| 0.760 | 0.240 | 0.354 |

-------------|-----------|-----------|-----------|

2 | 110 | 118 | 228 |

| 0.482 | 0.518 | 0.646 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 148 | 353 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 25.54273 d.f. = 1 p = 4.326943e-07

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 24.41555 d.f. = 1 p = 7.763963e-07

########Bivariate Analysis with MQ Domain 1: Refractive Error##########

> CrossTable(m4d1\_wg, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_wg | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 202 | 56 | 258 |

| 0.783 | 0.217 | 0.729 |

-------------|-----------|-----------|-----------|

2 | 3 | 93 | 96 |

| 0.031 | 0.969 | 0.271 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 162.1953 d.f. = 1 p = 3.74993e-37

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 159.126 d.f. = 1 p = 1.756351e-36

> CrossTable(m4d1\_wgcos, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_wgcos | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 91 | 31 | 122 |

| 0.746 | 0.254 | 0.345 |

-------------|-----------|-----------|-----------|

2 | 114 | 118 | 232 |

| 0.491 | 0.509 | 0.655 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 21.25019 d.f. = 1 p = 4.030714e-06

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 20.21879 d.f. = 1 p = 6.907105e-06

> CrossTable(m4d1\_wgrer, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_wgrer | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 145 | 28 | 173 |

| 0.838 | 0.162 | 0.489 |

-------------|-----------|-----------|-----------|

2 | 60 | 121 | 181 |

| 0.331 | 0.669 | 0.511 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 93.15767 d.f. = 1 p = 4.829e-22

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 91.09061 d.f. = 1 p = 1.372413e-21

> CrossTable(m4d1\_wgthep, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_wgthep | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 99 | 8 | 107 |

| 0.925 | 0.075 | 0.302 |

-------------|-----------|-----------|-----------|

2 | 106 | 141 | 247 |

| 0.429 | 0.571 | 0.698 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 75.37964 d.f. = 1 p = 3.88375e-18

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 73.35811 d.f. = 1 p = 1.081371e-17

> CrossTable(m4d1\_wcl, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_wcl | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 96 | 28 | 124 |

| 0.774 | 0.226 | 0.350 |

-------------|-----------|-----------|-----------|

2 | 109 | 121 | 230 |

| 0.474 | 0.526 | 0.650 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 29.80348 d.f. = 1 p = 4.781338e-08

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 28.58426 d.f. = 1 p = 8.970861e-08

> CrossTable(m4d1\_wclcos, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_wclcos | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 65 | 18 | 83 |

| 0.783 | 0.217 | 0.234 |

-------------|-----------|-----------|-----------|

2 | 140 | 131 | 271 |

| 0.517 | 0.483 | 0.766 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 18.518 d.f. = 1 p = 1.683071e-05

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 17.44067 d.f. = 1 p = 2.964154e-05

> CrossTable(m4d1\_wclrer, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_wclrer | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 37 | 11 | 48 |

| 0.771 | 0.229 | 0.136 |

-------------|-----------|-----------|-----------|

2 | 168 | 138 | 306 |

| 0.549 | 0.451 | 0.864 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 8.375344 d.f. = 1 p = 0.003803457

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 7.490035 d.f. = 1 p = 0.006204134

> CrossTable(m4d1\_wclthep, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_wclthep | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 18 | 3 | 21 |

| 0.857 | 0.143 | 0.059 |

-------------|-----------|-----------|-----------|

2 | 187 | 146 | 333 |

| 0.562 | 0.438 | 0.941 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 7.080771 d.f. = 1 p = 0.007791547

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 5.920021 d.f. = 1 p = 0.01496978

> CrossTable(m4d1\_tcls, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_tcls | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 53 | 21 | 74 |

| 0.716 | 0.284 | 0.209 |

-------------|-----------|-----------|-----------|

2 | 152 | 128 | 280 |

| 0.543 | 0.457 | 0.791 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 7.216823 d.f. = 1 p = 0.007222344

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 6.523111 d.f. = 1 p = 0.01064816

> CrossTable(m4d1\_tclr, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_tclr | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 30 | 7 | 37 |

| 0.811 | 0.189 | 0.105 |

-------------|-----------|-----------|-----------|

2 | 175 | 142 | 317 |

| 0.552 | 0.448 | 0.895 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 9.101638 d.f. = 1 p = 0.002553808

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 8.070986 d.f. = 1 p = 0.004497963

> CrossTable(m4d1\_tclthep, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d1\_tclthep | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 33 | 3 | 36 |

| 0.917 | 0.083 | 0.102 |

-------------|-----------|-----------|-----------|

2 | 171 | 146 | 317 |

| 0.539 | 0.461 | 0.895 |

-------------|-----------|-----------|-----------|

3 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 19.60342 d.f. = 2 p = 5.53568e-05

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

########Bivariate Analysis with MQ Domain 2: Family History##########

> CrossTable(m4d2\_pm, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d2\_pm | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 121 | 91 | 212 |

| 0.571 | 0.429 | 0.599 |

-------------|-----------|-----------|-----------|

2 | 84 | 58 | 142 |

| 0.592 | 0.408 | 0.401 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.1508647 d.f. = 1 p = 0.6977104

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.07761249 d.f. = 1 p = 0.7805593

> CrossTable(m4d2\_who, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d2\_who | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 28 | 28 | 56 |

| 0.500 | 0.500 | 0.158 |

-------------|-----------|-----------|-----------|

2 | 39 | 38 | 77 |

| 0.506 | 0.494 | 0.218 |

-------------|-----------|-----------|-----------|

3 | 68 | 38 | 106 |

| 0.642 | 0.358 | 0.299 |

-------------|-----------|-----------|-----------|

4 | 70 | 45 | 115 |

| 0.609 | 0.391 | 0.325 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 5.209956 d.f. = 3 p = 0.1570531

> CrossTable(m4d2\_glau, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d2\_glau | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 36 | 33 | 69 |

| 0.522 | 0.478 | 0.195 |

-------------|-----------|-----------|-----------|

2 | 169 | 116 | 285 |

| 0.593 | 0.407 | 0.805 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.156766 d.f. = 1 p = 0.2821373

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.8829417 d.f. = 1 p = 0.3473972

> CrossTable(m4d2\_cata, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d2\_cata | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 35 | 45 | 80 |

| 0.438 | 0.562 | 0.226 |

-------------|-----------|-----------|-----------|

2 | 170 | 104 | 274 |

| 0.620 | 0.380 | 0.774 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 8.501809 d.f. = 1 p = 0.003547936

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 7.767839 d.f. = 1 p = 0.005318464

> CrossTable(m4d2\_retdis, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d2\_retdis | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 24 | 24 | 48 |

| 0.500 | 0.500 | 0.136 |

-------------|-----------|-----------|-----------|

2 | 181 | 125 | 306 |

| 0.592 | 0.408 | 0.864 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.425276 d.f. = 1 p = 0.2325369

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 1.074588 d.f. = 1 p = 0.2999113

> CrossTable(m4d2\_kerat, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d2\_kerat | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 12 | 8 | 20 |

| 0.600 | 0.400 | 0.056 |

-------------|-----------|-----------|-----------|

2 | 193 | 141 | 334 |

| 0.578 | 0.422 | 0.944 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.03800232 d.f. = 1 p = 0.8454385

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 6.201551e-31 d.f. = 1 p = 1

> CrossTable(m4d2\_other, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d2\_other | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 83 | 47 | 130 |

| 0.638 | 0.362 | 0.367 |

-------------|-----------|-----------|-----------|

2 | 122 | 102 | 224 |

| 0.545 | 0.455 | 0.633 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 2.970525 d.f. = 1 p = 0.08479435

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 2.598086 d.f. = 1 p = 0.1069928

########Bivariate Analysis with MQ Domain 3: Near Work##########

> CrossTable(m4d3\_ghlap, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d3\_ghlap | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 195 | 140 | 335 |

| 0.582 | 0.418 | 0.946 |

-------------|-----------|-----------|-----------|

2 | 10 | 9 | 19 |

| 0.526 | 0.474 | 0.054 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.2294676 d.f. = 1 p = 0.6319189

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.05769056 d.f. = 1 p = 0.8101841

> CrossTable(m4d3\_ghmob, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d3\_ghmob | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 204 | 149 | 353 |

| 0.578 | 0.422 | 0.997 |

-------------|-----------|-----------|-----------|

2 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.7288883 d.f. = 1 p = 0.3932438

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 1.24634e-30 d.f. = 1 p = 1

Warning messages:

1: In chisq.test(t, correct = TRUE, ...) :

Chi-squared approximation may be incorrect

2: In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m4d3\_ghtab, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d3\_ghtab | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 93 | 55 | 148 |

| 0.628 | 0.372 | 0.418 |

-------------|-----------|-----------|-----------|

2 | 112 | 94 | 206 |

| 0.544 | 0.456 | 0.582 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 2.534234 d.f. = 1 p = 0.111401

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 2.198692 d.f. = 1 p = 0.1381279

> CrossTable(ddts, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

ddts | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 9 | 24 | 33 |

| 0.273 | 0.727 | 0.093 |

-------------|-----------|-----------|-----------|

2 | 86 | 55 | 141 |

| 0.610 | 0.390 | 0.398 |

-------------|-----------|-----------|-----------|

3 | 109 | 70 | 179 |

| 0.609 | 0.391 | 0.506 |

-------------|-----------|-----------|-----------|

5 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 14.63856 d.f. = 3 p = 0.002153085

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

> CrossTable(m4d3\_concern, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d3\_concern | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

0 | 1 | 0 | 1 |

| 1.000 | 0.000 | 0.003 |

-------------|-----------|-----------|-----------|

1 | 40 | 32 | 72 |

| 0.556 | 0.444 | 0.203 |

-------------|-----------|-----------|-----------|

2 | 46 | 28 | 74 |

| 0.622 | 0.378 | 0.209 |

-------------|-----------|-----------|-----------|

3 | 5 | 6 | 11 |

| 0.455 | 0.545 | 0.031 |

-------------|-----------|-----------|-----------|

4 | 61 | 41 | 102 |

| 0.598 | 0.402 | 0.288 |

-------------|-----------|-----------|-----------|

5 | 52 | 42 | 94 |

| 0.553 | 0.447 | 0.266 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 2.548596 d.f. = 5 p = 0.7691593

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect

########Bivariate Analysis with MQ Domain 4: Outdoor Activities##########

> CrossTable(Myopia\_DED$OAWeekdaysGroup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

Myopia\_DED$OAWeekdaysGroup | 1 | 2 | Row Total |

---------------------------|-----------|-----------|-----------|

Below 2hrs | 65 | 51 | 116 |

| 0.560 | 0.440 | 0.328 |

---------------------------|-----------|-----------|-----------|

2hrs-4hrs | 100 | 61 | 161 |

| 0.621 | 0.379 | 0.455 |

---------------------------|-----------|-----------|-----------|

5hrs or More | 40 | 37 | 77 |

| 0.519 | 0.481 | 0.218 |

---------------------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

---------------------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 2.456458 d.f. = 2 p = 0.2928106

> CrossTable(Myopia\_DED$OAWeekendGroup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

Myopia\_DED$OAWeekendGroup | 1 | 2 | Row Total |

--------------------------|-----------|-----------|-----------|

Below 4hrs | 106 | 71 | 177 |

| 0.599 | 0.401 | 0.500 |

--------------------------|-----------|-----------|-----------|

4hrs-8hrs | 68 | 57 | 125 |

| 0.544 | 0.456 | 0.353 |

--------------------------|-----------|-----------|-----------|

8hrs-12hrs | 23 | 13 | 36 |

| 0.639 | 0.361 | 0.102 |

--------------------------|-----------|-----------|-----------|

12hrs or More | 8 | 8 | 16 |

| 0.500 | 0.500 | 0.045 |

--------------------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

--------------------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 1.854329 d.f. = 3 p = 0.6031843

> CrossTable(m4d4\_exc, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d4\_exc | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 62 | 57 | 119 |

| 0.521 | 0.479 | 0.336 |

-------------|-----------|-----------|-----------|

2 | 143 | 92 | 235 |

| 0.609 | 0.391 | 0.664 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 2.481511 d.f. = 1 p = 0.1151915

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 2.135502 d.f. = 1 p = 0.1439233

> CrossTable(m4d4\_jog, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d4\_jog | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 59 | 42 | 101 |

| 0.584 | 0.416 | 0.285 |

-------------|-----------|-----------|-----------|

2 | 146 | 107 | 253 |

| 0.577 | 0.423 | 0.715 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.01485862 d.f. = 1 p = 0.9029814

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 7.256734e-06 d.f. = 1 p = 0.9978506

> CrossTable(m4d4\_swim, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d4\_swim | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 27 | 15 | 42 |

| 0.643 | 0.357 | 0.119 |

-------------|-----------|-----------|-----------|

2 | 178 | 134 | 312 |

| 0.571 | 0.429 | 0.881 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.7948331 d.f. = 1 p = 0.3726427

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.5257363 d.f. = 1 p = 0.4684049

> CrossTable(m4d4\_cyc, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d4\_cyc | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 45 | 19 | 64 |

| 0.703 | 0.297 | 0.181 |

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2 | 160 | 130 | 290 |

| 0.552 | 0.448 | 0.819 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

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Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 4.930578 d.f. = 1 p = 0.0263855

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 4.328993 d.f. = 1 p = 0.03746841

> CrossTable(m4d4\_run, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d4\_run | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 25 | 21 | 46 |

| 0.543 | 0.457 | 0.130 |

-------------|-----------|-----------|-----------|

2 | 180 | 128 | 308 |

| 0.584 | 0.416 | 0.870 |

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Column Total | 205 | 149 | 354 |

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Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.275176 d.f. = 1 p = 0.5998806

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.132851 d.f. = 1 p = 0.7154942

> CrossTable(m4d4\_sports, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d4\_sports | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 20 | 12 | 32 |

| 0.625 | 0.375 | 0.090 |

-------------|-----------|-----------|-----------|

2 | 185 | 137 | 322 |

| 0.575 | 0.425 | 0.910 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.3041333 d.f. = 1 p = 0.5813027

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.1323261 d.f. = 1 p = 0.7160323

> CrossTable(m4d4\_pra, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d4\_pra | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 124 | 87 | 211 |

| 0.588 | 0.412 | 0.596 |

-------------|-----------|-----------|-----------|

2 | 81 | 62 | 143 |

| 0.566 | 0.434 | 0.404 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 0.1578195 d.f. = 1 p = 0.691172

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 0.08269526 d.f. = 1 p = 0.7736776

> CrossTable(m4d4\_other, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 354

| myopia

m4d4\_other | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

1 | 82 | 42 | 124 |

| 0.661 | 0.339 | 0.350 |

-------------|-----------|-----------|-----------|

2 | 123 | 107 | 230 |

| 0.535 | 0.465 | 0.650 |

-------------|-----------|-----------|-----------|

Column Total | 205 | 149 | 354 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 5.28989 d.f. = 1 p = 0.02144957

Pearson's Chi-squared test with Yates' continuity correction

------------------------------------------------------------

Chi^2 = 4.783602 d.f. = 1 p = 0.02873196

########Bivariate Analysis with DEQ5##########

##########Categorize the DEQ5 Questionnaire Score##########

Myopia\_DED$DEDGroup<- cut(Myopia\_DED$score,

breaks=c(-Inf,7,12,16,Inf),

labels=c('0-6',

'7-11',

'12-15',

'16-22'),

right=FALSE)

#####Rename Categorical labels####

Myopia\_DED %>%

mutate(DEDGroup= fct\_recode(DEDGroup,

'No'= '0-6',

'Mild'= '7-11',

'Moderate'= '12-15',

'Severe'= '16-22')

)

########Bivariate Analysis with DEQ5##########

> CrossTable(a$DEDGroup, myopia,

+ prop.r=T,

+ prop.t=F,

+ prop.c=F,

+ prop.chisq=F,

+ chisq=T)

Cell Contents

|-------------------------|

| N |

| N / Row Total |

|-------------------------|

Total Observations in Table: 101

| myopia

a$DEDGroup | 1 | 2 | Row Total |

-------------|-----------|-----------|-----------|

No | 31 | 46 | 77 |

| 0.403 | 0.597 | 0.762 |

-------------|-----------|-----------|-----------|

Mild | 8 | 7 | 15 |

| 0.533 | 0.467 | 0.149 |

-------------|-----------|-----------|-----------|

Moderate | 5 | 2 | 7 |

| 0.714 | 0.286 | 0.069 |

-------------|-----------|-----------|-----------|

Severe | 2 | 0 | 2 |

| 1.000 | 0.000 | 0.020 |

-------------|-----------|-----------|-----------|

Column Total | 46 | 55 | 101 |

-------------|-----------|-----------|-----------|

Statistics for All Table Factors

Pearson's Chi-squared test

------------------------------------------------------------

Chi^2 = 5.51628 d.f. = 3 p = 0.1376681

Warning message:

In chisq.test(t, correct = FALSE, ...) :

Chi-squared approximation may be incorrect