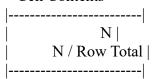
#### ######Bivariate Analysis with Demographic Information#########

- > CrossTable(AgeGroup, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

## Cell Contents



Total Observations in Table: 354

Statistics for All Table Factors

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

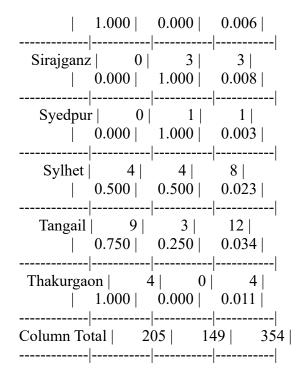
- + prop.t=F, + prop.c=F, + prop.chisq=F, + chisq=T)
- Cell Contents
  |-----|
  | N |
  | N / Row Total |

m1 hd	yopia    1	2   R	ow Total
	$0.000 \mid$	1.000	1   0.003
Bagerha	0.500	1   0.500	2   0.006
	0.462	0.538	13   0.037
Bhola	1.000	0.000	4   0.011
	0.700	0.300	10   0.028
Borguna	a   2   1.000	0.000	2   0.006
Brahmenba	ria   0.200	1   4 0.800	0.014
	0.333	0.667	9   0.025
	0.824	0.176	17   0.048   
Chuadan	ga   0.000	1.000	1
Comilla	10	8	18

0.556	0.444	0.051
•		
		•
0.200	0.800	0.014
0.667	3   0.333	9   0.025
4   0.500	4   0.500	8
na   0	1	1
0.500	0.500	0.017
z  5	2	7
0.800	0.200	0.014
3	3	6
1.000	0.000	0.003
n   1   0.500	0.500	2   0.006
t   0   0.000	1   1.000	1   0.003
r   1   1.000	0.000	1   0.003
ori   2   0.667	0.333	3   0.008
.  5	2	 7
		0.556   0.444

Kishoreganz   0	0.006
Korea   1   0     1.000   0.000	1   0.003
Kurigram   3   0   1.000   0.000	0.008
Kushtia   1   3     0.250   0.750	4   0.011
Lalmonirhat   0	0.003
Laxmipur   1   1   1   0.500   0.500	0.006
Madaripur   4   7	0.031
Magura   2   0   1.000   0.000	0.006
Manikganz   2   2   0.500   0.500	0.011
Modhupur   0     0.000   1.000	0.003
Mohonganz   0	1   1
Mongla   1   0   1.000   0.000	0.003
Munshiganz   6       0.750     0.250	2   8   0.023
Mymensingh   6       0.750     0.250	2   8   0.023
Naogaon   0   2   0.000   1.000	0.006
Narail   1   1     0.500   0.500	2   0.006
Narayanganz   3     0.500   0.500	3   6

	0.000	3   1.000	3   0.008
Netrokon	a   0 0.000	1.000	2   0.006
Nilphama		0.000	1   0.003
Noakhal	i   4   0.444   	5   0.556	9   0.025
Norsingd	i   3   0.500   	3   0.500	6   0.017
Nowga 	a   0   0.000	1   1.000	1   0.003
Pabna 	0.500	3   0.500	6   0.017
Panchago	or   2 1.000	0.000	2   0.006
Patuakhal		1   0.333	3   0.008
Pirojpur	2     0.500   	2   0.500	4   0.011
Rajbari	0.500	2   0.500	4   0.011
Rajshahi 	   1     0.333   	2   0.667	3   0.008
Rangpui	r   3   0.600	2   0.400	5   0.014
Santahar 	1.000	0.000	1   0.003
Satkhira 	0.000	2   1.000	2   0.006
Shariatpui 	0.333	2   0.667	3   0.008
Shoriatpu	 r   2		



# Pearson's Chi-squared test

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

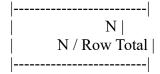
Warning message:

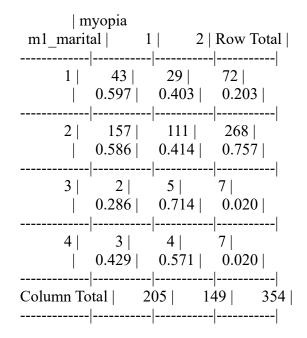
In chisq.test(t, correct = FALSE, ...):

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





# Pearson's Chi-squared test

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

Warning message:

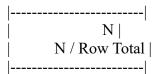
In chisq.test(t, correct = FALSE, ...):

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



# Pearson's Chi-squared test

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

- prop.r=T, +
- prop.t=F, +
- prop.c=F,
- prop.chisq=F,
- chisq=T)

## Cell Contents

## Pearson's Chi-squared test

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

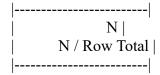
Pearson's Chi-squared test with Yates' continuity correction

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



# 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

# 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

# Pearson's Chi-squared test

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

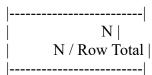
Warning message:

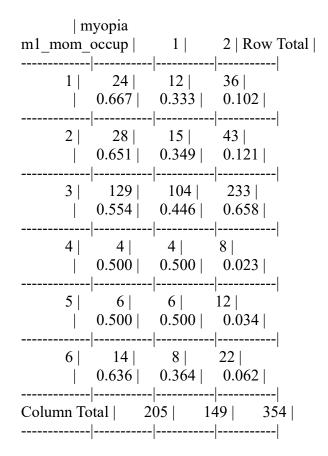
In chisq.test(t, correct = FALSE, ...):

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





#### 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

|-----|

Total Observations in Table: 354

m1_fin_cc			Row Total   
1	31   0.705	13   0.295   	44   0.124
2	80   0.537	69   0.463	149
3	83   0.585	59   0.415	142
4	7   0.467	8   0.533	15
5	4   1.000	0.000	0.011
	tal   20		 19   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

|-----|

Total Observations in Table: 354

myopia m1_fam_type   			Row Total
1	120   0.591	83   0.409	203
2	76	58   0.433	134   0.379
3	8   0.571   	6   0.429	14   0.040
4	1   0.333	2   0.667	3
Column To		05   14	19   354

Statistics for All Table Factors

# Pearson's Chi-squared test

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

Warning message:

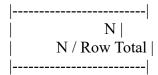
In chisq.test(t, correct = FALSE, ...):

Chi-squared approximation may be incorrect

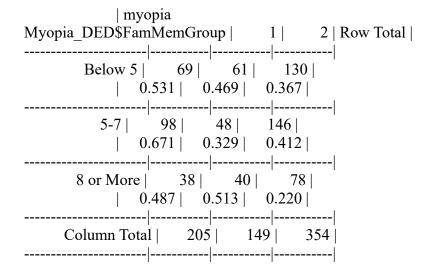
## ######Bivariate Analysis with Socio-economic Information########

- > CrossTable(Myopia DED\$FamMemGroup, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents



Total Observations in Table: 354

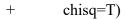


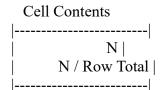
Statistics for All Table Factors

## Pearson's Chi-squared test

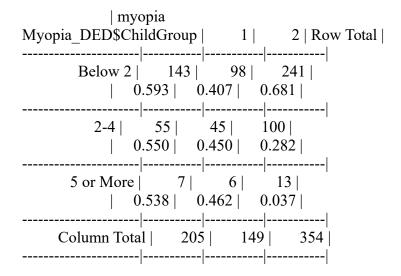
$$Chi^2 = 9.034199$$
 d.f. = 2 p = 0.01092065

- > CrossTable(Myopia DED\$ChildGroup, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,





Total Observations in Table: 354



Statistics for All Table Factors

#### Pearson's Chi-squared test

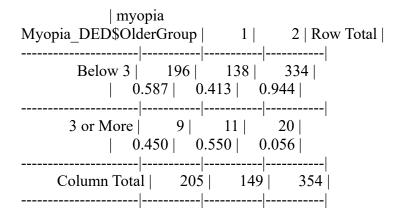
Chi
$$^2$$
 = 0.636586 d.f. = 2 p = 0.7273896

- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents

|-----|

Total Observations in Table: 354



Statistics for All Table Factors

Pearson's Chi-squared test

CL:A2 1 4402(0 1 f 1 ... 0.220(202

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

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

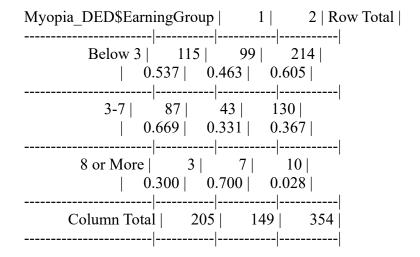
$$Chi^2 = 0.9423704$$
 d.f. = 1 p = 0.331669

> 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 | |------



# Pearson's Chi-squared test

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

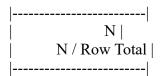
Warning message:

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



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   2	205   149   354
·	

Pearson's Chi-squared test

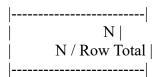
 $Chi^2 = 11.45893$  d.f. = 3 p = 0.00948633

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

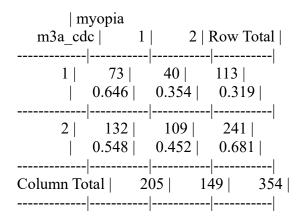
# CrossTable(m3a cdc, myopia,

- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents



Total Observations in Table: 354



Statistics for All Table Factors

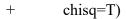
#### Pearson's Chi-squared test

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

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

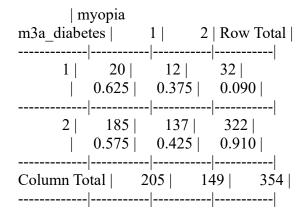
$$Chi^2 = 2.659792$$
 d.f. = 1 p = 0.1029142

- > CrossTable(m3a diabetes, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,





Total Observations in Table: 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

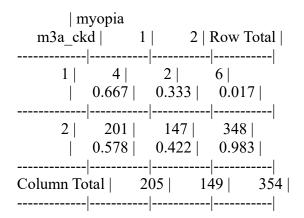
Chi<sup>2</sup> = 
$$0.1323261$$
 d.f. = 1 p =  $0.7160323$ 

- > CrossTable(m3a\_ckd, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents

|-----|

Total Observations in Table: 354



Statistics for All Table Factors

Pearson's Chi-squared test

C1'A2 0.1020252 1.6 1 0.6(12262

$$Chi^2 = 0.1920253$$
 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, ...):

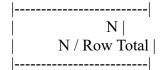
Chi-squared approximation may be incorrect

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

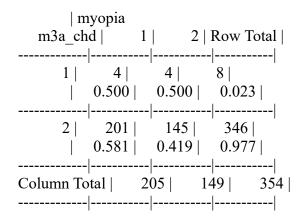
Chi-squared approximation may be incorrect

- > CrossTable(m3a chd, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

## Cell Contents



Total Observations in Table: 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

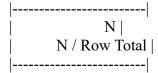
2: In chisq.test(t, correct = FALSE, ...):

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



# Pearson's Chi-squared test

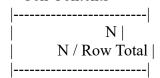
Chi
$$^2$$
 = 1.710748 d.f. = 1 p = 0.1908883

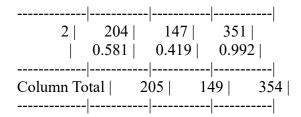
Pearson's Chi-squared test with Yates' continuity correction

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





# 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

## Pearson's Chi-squared test

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

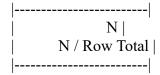
Pearson's Chi-squared test with Yates' continuity correction

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



Total Observations in Table: 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

Total Observations in Table: 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

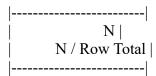
-----

$$Chi^2 = 23.68833$$
 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



Total Observations in Table: 354

Statistics for All Table Factors

## Pearson's Chi-squared test

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

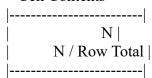
Pearson's Chi-squared test with Yates' continuity correction

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

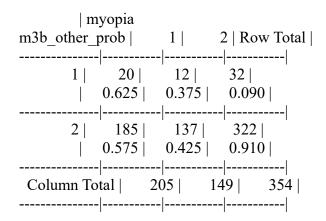
- > CrossTable(m3b other prob, myopia,
- + prop.r=T,
- + prop.t=F,

```
+ prop.c=F,
+ prop.chisq=F,
+ chisq=T)
```

#### Cell Contents



Total Observations in Table: 354



Statistics for All Table Factors

# Pearson's Chi-squared test

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

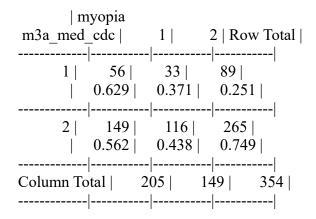
Chi
$$^2$$
 = 0.1323261 d.f. = 1 p = 0.7160323

- > CrossTable(m3a\_med\_cdc, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents

|-----|

Total Observations in Table: 354



Statistics for All Table Factors

Pearson's Chi-squared test

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

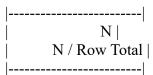
Pearson's Chi-squared test with Yates' continuity correction

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



# Pearson's Chi-squared test

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

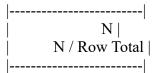
Pearson's Chi-squared test with Yates' continuity correction

$$Chi^2 = 5.833497$$
 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



# 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

	l .

## Pearson's Chi-squared test

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

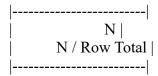
Pearson's Chi-squared test with Yates' continuity correction

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



Total Observations in Table: 354

Statistics for All Table Factors

Pearson's Chi-squared test

C1'A2 0.012.42007 1.5 1 0.0077.412

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

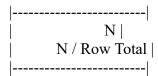
Pearson's Chi-squared test with Yates' continuity correction

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



Total Observations in Table: 354

Statistics for All Table Factors

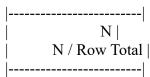
## Pearson's Chi-squared test

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

#### Cell Contents



chisq=T)

Total Observations in Table: 354

Statistics for All Table Factors

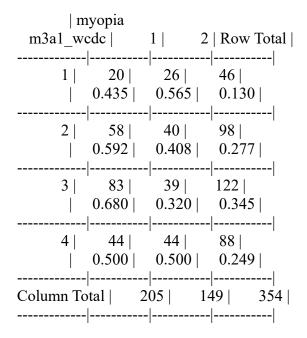
## Pearson's Chi-squared test

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

- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)



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

myopia m3a1_diabetes		1   2	Row Total
1	95   0.617	59   0.383	154   0.435
2	110   0.550	90   0.450	200   0.565
Column To	  tal   20 	   05   14 	19   354   

Statistics for All Table Factors

Pearson's Chi-squared test

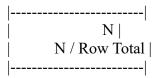
Chi
$$^2$$
 = 1.596787 d.f. = 1 p = 0.2063592

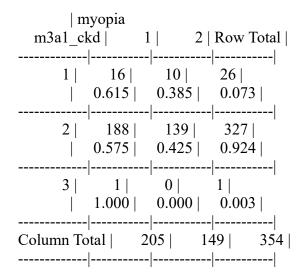
Pearson's Chi-squared test with Yates' continuity correction

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





## 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

## Pearson's Chi-squared test

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

Warning message:

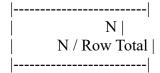
In chisq.test(t, correct = FALSE, ...):

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



## 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

#### Pearson's Chi-squared test

-----

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

## Warning message:

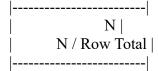
In chisq.test(t, correct = FALSE, ...):

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



Total Observations in Table: 354

Statistics for All Table Factors

#### Pearson's Chi-squared test

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

### Warning message:

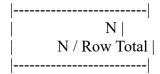
In chisq.test(t, correct = FALSE, ...):

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



Total Observations in Table: 354

Statistics for All Table Factors

#### Pearson's Chi-squared test

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

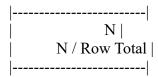
#### Warning message:

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



Total Observations in Table: 353

Statistics for All Table Factors

#### Pearson's Chi-squared test

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

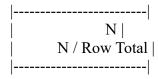
Pearson's Chi-squared test with Yates' continuity correction

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

#### 

- > CrossTable(m4d1\_wg, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents



Total Observations in Table: 354

Statistics for All Table Factors

#### Pearson's Chi-squared test

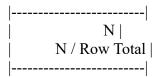
Chi
$$^2$$
 = 162.1953 d.f. = 1 p = 3.74993e-37

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

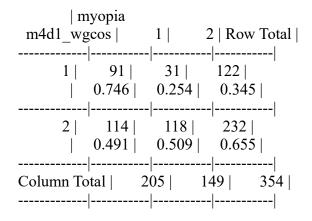
Chi
$$^2$$
 = 159.126 d.f. = 1 p = 1.756351e-36

- > CrossTable(m4d1 wgcos, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,

#### Cell Contents



Total Observations in Table: 354



Statistics for All Table Factors

## Pearson's Chi-squared test

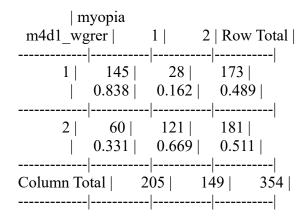
$$Chi^2 = 21.25019$$
 d.f. = 1 p = 4.030714e-06

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



Statistics for All Table Factors

Pearson's Chi-squared test

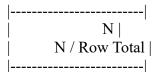
Chi
$$^2$$
 = 93.15767 d.f. = 1 p = 4.829e-22

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



## 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

#### Pearson's Chi-squared test

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

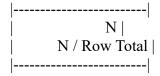
Pearson's Chi-squared test with Yates' continuity correction

$$Chi^2 = 28.58426$$
 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



Total Observations in Table: 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

Total Observations in Table: 354

Statistics for All Table Factors

#### Pearson's Chi-squared test

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

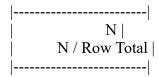
Pearson's Chi-squared test with Yates' continuity correction

$$Chi^2 = 7.490035$$
 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



Total Observations in Table: 354

Statistics for All Table Factors

## Pearson's Chi-squared test

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

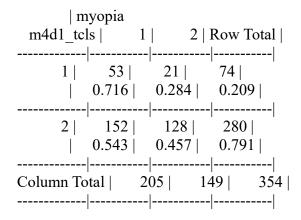
Pearson's Chi-squared test with Yates' continuity correction

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

- > CrossTable(m4d1 tcls, myopia,
- + prop.r=T,
- + prop.t=F,

## Cell Contents

Total Observations in Table: 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

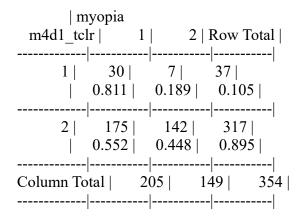
$$Chi^2 = 6.523111$$
 d.f. = 1 p = 0.01064816

> CrossTable(m4d1 tclr, myopia,

- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents

|-----|



Statistics for All Table Factors

## Pearson's Chi-squared test

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

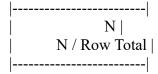
Pearson's Chi-squared test with Yates' continuity correction

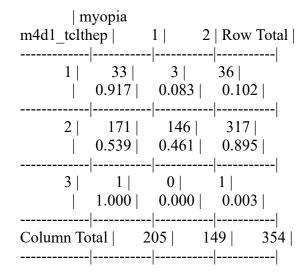
Chi
$$^2$$
 = 8.070986 d.f. = 1 p = 0.004497963

> CrossTable(m4d1 tclthep, myopia,

- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents





## Pearson's Chi-squared test

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

Warning message:

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

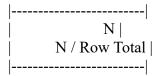
Chi-squared approximation may be incorrect

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

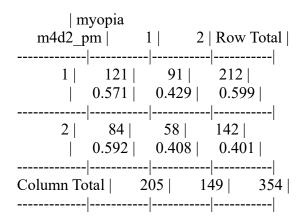
```
> CrossTable(m4d2_pm, myopia,
```

- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents



Total Observations in Table: 354



Statistics for All Table Factors

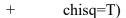
#### Pearson's Chi-squared test

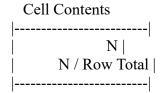
Chi
$$^2$$
 = 0.1508647 d.f. = 1 p = 0.6977104

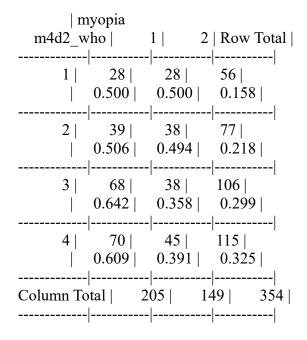
Pearson's Chi-squared test with Yates' continuity correction

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

- > CrossTable(m4d2 who, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,



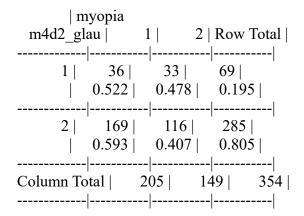




Statistics for All Table Factors

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

Cell Contents



Statistics for All Table Factors

Pearson's Chi-squared test

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

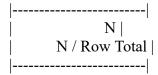
$$Chi^2 = 1.156766$$
 d.f. = 1 p = 0.2821373

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



## 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

## Pearson's Chi-squared test

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

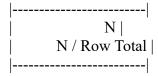
Pearson's Chi-squared test with Yates' continuity correction

$$Chi^2 = 1.074588$$
 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



Total Observations in Table: 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

Total Observations in Table: 354

#### Statistics for All Table Factors

#### Pearson's Chi-squared test

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

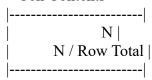
Pearson's Chi-squared test with Yates' continuity correction

$$Chi^2 = 2.598086$$
 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



Total Observations in Table: 354

Statistics for All Table Factors

#### Pearson's Chi-squared test

Chi
$$^2$$
 = 0.2294676 d f = 1 n = 0.6319189

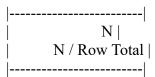
Chi
$$^2$$
 = 0.2294676 d.f. = 1 p = 0.6319189

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

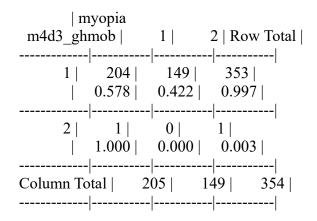
Chi
$$^2$$
 = 0.05769056 d.f. = 1 p = 0.8101841

- > CrossTable(m4d3 ghmob, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,

#### Cell Contents



Total Observations in Table: 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, ...):

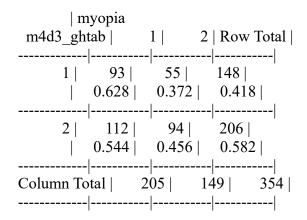
Chi-squared approximation may be incorrect

> CrossTable(m4d3\_ghtab, myopia,

- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

## |-----| |-----| | N | | N / Row Total |

Total Observations in Table: 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

m ddts		2   Row Total		
1	9   0.273	 24   0.727   	33   0.093	
, i	86   0.610   	55   0.390	141   0.398	
	109   0.609	'	179   0.506	
5		0.000	0.003	
			   49   354   	

Statistics for All Table Factors

## Pearson's Chi-squared test

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

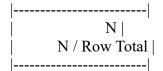
Warning message:

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



myopia m4d3_concern		•	
0	1   1.000	0.000	1
1	40   0.556	32   0.444	72
2	46   0.622	28   0.378	74
3	5   0.455	6   0.545	11
4	61   0.598	41   0.402	102   0.288
5	52   0.553	42   0.447	
Column To		05   1	49   354

Statistics for All Table Factors

Chi
$$^2$$
 = 2.548596 d.f. = 5 p = 0.7691593

Warning message:

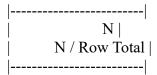
In chisq.test(t, correct = FALSE, ...):

Chi-squared approximation may be incorrect

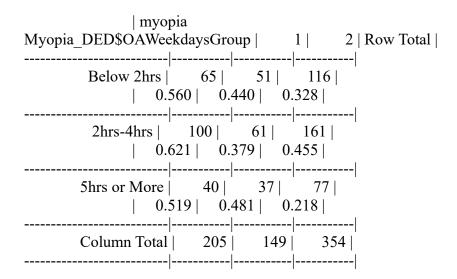
######Bivariate Analysis with MQ Domain 4: Outdoor Activities##########

- > CrossTable(Myopia DED\$OAWeekdaysGroup, myopia,
- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

#### Cell Contents



Total Observations in Table: 354



Statistics for All Table Factors

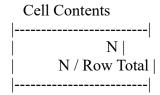
#### Pearson's Chi-squared test

$$Chi^2 = 2.456458$$
 d.f. = 2 p = 0.2928106

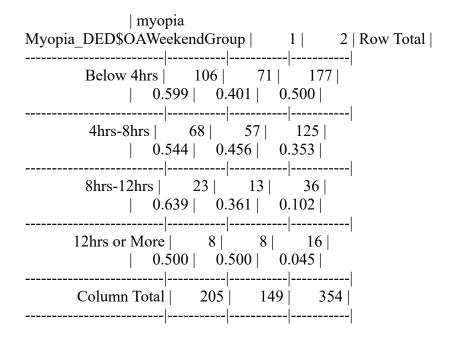
> CrossTable(Myopia DED\$OAWeekendGroup, myopia,

- + prop.r=T,
- + prop.t=F,
- + prop.c=F,
- + prop.chisq=F,

+ chisq=T)



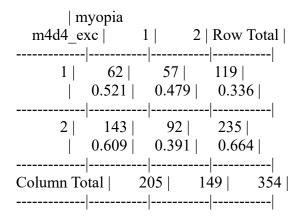
Total Observations in Table: 354



Statistics for All Table Factors

Chi
$$^2$$
 = 1.854329 d.f. = 3 p = 0.6031843

Cell Contents



Statistics for All Table Factors

## Pearson's Chi-squared test

$$Chi \land 2 = 2.481511$$
  $Af = 1$   $p = 0.1151015$ 

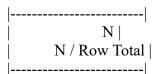
$$Chi^2 = 2.481511$$
 d.f. = 1 p = 0.1151915

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



## Pearson's Chi-squared test

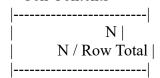
Chi
$$^2$$
 = 0.01485862 d.f. = 1 p = 0.9029814

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



## 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

## Pearson's Chi-squared test

GL:40 4.000550 1.6 1 0.000055

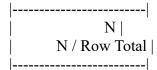
Chi
$$^2$$
 = 4.930578 d.f. = 1 p = 0.0263855

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



Total Observations in Table: 354

Statistics for All Table Factors

$$Chi^2 = 0.275176 \quad d.f. = 1 \quad p = 0.5998806$$

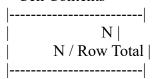
## Pearson's Chi-squared test with Yates' continuity correction

$$Chi^2 = 0.132851$$
 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



Total Observations in Table: 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

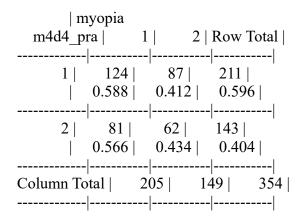
$$Chi^2 = 0.1323261$$
 d.f. = 1 p = 0.7160323

> CrossTable(m4d4\_pra, myopia,

```
+ prop.r=T,
+ prop.t=F,
+ prop.c=F,
+ prop.chisq=F,
+ chisq=T)
```

#### Cell Contents

Total Observations in Table: 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

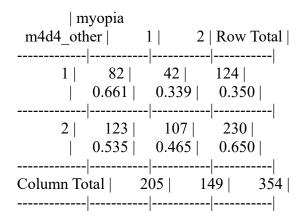
Chi
$$^2$$
 = 0.08269526 d.f. = 1 p = 0.7736776

> CrossTable(m4d4\_other, myopia, + prop r=T

- + prop.r=T, + prop.t=F.
- + prop.t=F, + prop.c=F,
- + prop.chisq=F,
- + chisq=T)

# |-----| | N | | N / Row Total

Total Observations in Table: 354



Statistics for All Table Factors

# Pearson's Chi-squared test

Chi
$$^2$$
 = 5.28989 d.f. = 1 p = 0.02144957

$$Chi^2 = 4.783602$$
 d.f. = 1 p = 0.02873196

```
########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
        NI
      N / Row Total |
```

## 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