> data<-i.Marrakech_dataset

<mark>TOTAL N ITEMS</mark>

> m1<-glm(N_Pl_total ~ Sex, family=quasipoisson, data=data)
> summary(m1)

Call:
glm(formula = N_Pl_total ~ Sex, family = quasipoisson, data = data)

Deviance Residuals:
    Min   1Q Median   3Q   Max
-4.2095 -1.1654 -0.3395 1.3521 3.4930

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 4.03483   0.04029 100.133 < 2e-16 ***
SexM   -0.61045   0.07032 -8.681 6.88e-12 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 2.753745)

    Null deviance: 372.48 on 56 degrees of freedom
Residual deviance: 152.98 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

> m2<-glm(N_Pl_total ~ Age, family=quasipoisson, data=data)
> summary(m2)

Call:
glm(formula = N_Pl_total ~ Age, family = quasipoisson, data = data)

Deviance Residuals:
    Min   1Q Median   3Q   Max
-5.8674 -2.1878 -0.0143 1.9756 3.6374

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 3.4635   0.1240 27.920 < 2e-16 ***
Age   0.1633   0.0556 2.936 0.00484 **

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 5.584298)

Null deviance: 372.48 on 56 degrees of freedom
Residual deviance: 324.19 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

> m3<-glm(N_Pl_total ~ Marital_status, family=quasipoisson, data=data)
> summary(m3)

Call:
glm(formula = N_Pl_total ~ Marital_status, family = quasipoisson,
    data = data)

Deviance Residuals:
    Min   1Q   Median   3Q   Max
-4.6182 -2.1737 0.0717 1.5509 5.2234

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)   3.57154   0.08766 40.742 < 2e-16 ***
Marital_statusD 0.36028   0.16262   2.216 0.03104 *
Marital_statusM 0.30581   0.10994   2.782 0.00748 **
Marital_statusV 0.45381   0.20458   2.218 0.03085 *

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 5.740565)

    Null deviance: 372.48 on 56 degrees of freedom
Residual deviance: 309.93 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

> m4<-glm(N_Pl_total ~ Level_studies, family=quasipoisson, data=data)
> summary(m4)

Call:
glm(formula = N_Pl_total ~ Level_studies, family = quasipoisson,
    data = data)

Deviance Residuals:
    Min   1Q   Median   3Q   Max
-4.9378 -1.6280 0.1332 1.4520 5.2932

Coefficients:

```
          Estimate Std. Error t value Pr(>|t|)
(Intercept)    4.03044   0.10857 37.122  < 2e-16 ***
Level_studiesP -0.01556   0.13701 -0.114 0.910009
Level_studiesS -0.12959   0.14908 -0.869 0.388624
Level_studiesU -0.46920   0.12782 -3.671 0.000563 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 4.644552)

    Null deviance: 372.48  on 56  degrees of freedom
Residual deviance: 257.16  on 53  degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

> m5<-glm(N_Pl_total ~ N_House, family=quasipoisson, data=data)
> summary(m5)

Call:
glm(formula = N_Pl_total ~ N_House, family = quasipoisson, data = data)

Deviance Residuals:
   Min     1Q  Median    3Q    Max
-5.219 -2.441 -0.419  1.964  4.757

Coefficients:
          Estimate Std. Error t value Pr(>|t|)
(Intercept) 3.86692   0.09360 41.314  <2e-16 ***
N_House    -0.02125   0.02231 -0.953   0.345
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 6.556921)

    Null deviance: 372.48  on 56  degrees of freedom
Residual deviance: 366.49  on 55  degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

> m6<-glm(N_Pl_total ~ Freq_cooking, family=quasipoisson, data=data)
> summary(m6)

Call:
glm(formula = N_Pl_total ~ Freq_cooking, family = quasipoisson,
   data = data)
```

Deviance Residuals:
```
   Min     1Q  Median     3Q     Max
-5.9809  -1.1778  0.2652  1.2695  3.3163
```

Coefficients:
```
           Estimate Std. Error t value Pr(>|t|)
(Intercept) 3.428833  0.072016  47.612  < 2e-16 ***
Freq_cooking 0.025847  0.004031   6.411 3.46e-08 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 3.639783)

```
    Null deviance: 372.48  on 56  degrees of freedom
Residual deviance: 219.78  on 55  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 4

```
> m7<-glm(N_Pl_total ~ Freq_cooking_scale, family=quasipoisson, data=data)
> summary(m7)
```

Call:
```
glm(formula = N_Pl_total ~ Freq_cooking_scale, family = quasipoisson,
    data = data)
```

Deviance Residuals:
```
   Min     1Q  Median     3Q     Max
-5.9412  -1.2721  0.1615  1.1683  3.3665
```

Coefficients:
```
               Estimate Std. Error t value Pr(>|t|)
(Intercept)      3.34298   0.08655  38.626  < 2e-16 ***
Freq_cooking_scale  0.15555   0.02528   6.152 9.13e-08 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 3.721526)

```
    Null deviance: 372.48  on 56  degrees of freedom
Residual deviance: 224.89  on 55  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 4

MEDICINAL ONLY ITEMS

```
> #####
> m11<-glm(N_Pl_Medo ~ Sex, family=quasipoisson, data=data)
> summary(m11)

Call:
glm(formula = N_Pl_Medo ~ Sex, family = quasipoisson, data = data)

Deviance Residuals:
   Min     1Q  Median    3Q    Max
-4.6260 -1.9176 -0.6616  0.7750  6.8300

Coefficients:
        Estimate Std. Error t value Pr(>|t|)
(Intercept)  2.3702    0.1260  18.812  < 2e-16 ***
SexM        -0.9125    0.2446  -3.731 0.000453 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 5.096046)

    Null deviance: 327.20  on 56  degrees of freedom
Residual deviance: 247.54  on 55  degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m21<-glm(N_Pl_Medo ~ Age, family=quasipoisson, data=data)
> summary(m21)

Call:
glm(formula = N_Pl_Medo ~ Age, family = quasipoisson, data = data)

Deviance Residuals:
   Min     1Q  Median    3Q    Max
-3.8672 -1.9166 -0.1825  0.8767  5.0302

Coefficients:
        Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.3163    0.3075  4.281 7.5e-05 ***
Age         0.3478    0.1310  2.654  0.0104 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 5.166157)

    Null deviance: 327.20  on 56  degrees of freedom
Residual deviance: 289.88  on 55  degrees of freedom
```

AIC: NA

Number of Fisher Scoring iterations: 5

```
> m31<-glm(N_Pl_Medo ~ Marital_status, family=quasipoisson, data=data)
> summary(m31)
```

Call:
```
glm(formula = N_Pl_Medo ~ Marital_status, family = quasipoisson,
    data = data)
```

Deviance Residuals:
```
   Min      1Q   Median      3Q      Max
-3.9628  -1.9826  -0.9060   0.7358   5.7235
```

Coefficients:
```
                Estimate Std. Error t value Pr(>|t|)
(Intercept)      1.8075     0.2212   8.173 5.93e-11 ***
Marital_statusD  0.5279     0.3872   1.363   0.179
Marital_statusM  0.2532     0.2801   0.904   0.370
Marital_statusV  0.6492     0.4773   1.360   0.180
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 6.260978)

```
    Null deviance: 327.20  on 56  degrees of freedom
Residual deviance: 309.39  on 53  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 5

```
> m41<-glm(N_Pl_Medo ~ Level_studies, family=quasipoisson, data=data)
> summary(m41)
```

Call:
```
glm(formula = N_Pl_Medo ~ Level_studies, family = quasipoisson,
    data = data)
```

Deviance Residuals:
```
   Min      1Q   Median      3Q      Max
-4.5704  -1.9836  -0.4579   0.7462   6.2336
```

Coefficients:
```
                Estimate Std. Error t value Pr(>|t|)
(Intercept)      2.1812     0.3008   7.252 1.77e-09 ***
Level_studiesP   0.2014     0.3655   0.551   0.584
```

Level_studiesS 0.1648   0.3875 0.425   0.672
Level_studiesU -0.5312   0.3572 -1.487   0.143

(Dispersion parameter for quasipoisson family taken to be 5.608339)

    Null deviance: 327.20 on 56 degrees of freedom
Residual deviance: 278.12 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m51<-glm(N_Pl_Medo ~ N_House, family=quasipoisson, data=data)
> summary(m51)

Call:
glm(formula = N_Pl_Medo ~ N_House, family = quasipoisson, data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-4.3274 -1.8087 -0.6975 1.0271 5.1109

Coefficients:
        Estimate Std. Error t value Pr(>|t|)
(Intercept) 2.31949   0.20274 11.441 3.62e-16 ***
N_House   -0.08270   0.05199 -1.591   0.117

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 5.802665)

    Null deviance: 327.2 on 56 degrees of freedom
Residual deviance: 312.1 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m61<-glm(N_Pl_Medo ~ Freq_cooking, family=quasipoisson, data=data)
> summary(m61)

Call:
glm(formula = N_Pl_Medo ~ Freq_cooking, family = quasipoisson,
   data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max

-5.1768 -1.6515 -0.1606   0.4289   6.6984

Coefficients:

	Estimate	Std. Error	t value	Pr(>|t|)	
(Intercept)	1.41677	0.22174	6.389	3.76e-08	***
Freq_cooking	0.04209	0.01172	3.590	0.000705	***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 4.98261)

   Null deviance: 327.20 on 56 degrees of freedom
Residual deviance: 259.41 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

```
> m71<-glm(N_Pl_Medo ~ Freq_cooking_scale, family=quasipoisson, data=data)
> summary(m71)
```

Call:
glm(formula = N_Pl_Medo ~ Freq_cooking_scale, family = quasipoisson,
   data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-5.0864 -1.5740 -0.2678   0.7596   6.6661

Coefficients:

	Estimate	Std. Error	t value	Pr(>|t|)	
(Intercept)	1.24935	0.26800	4.662	2.04e-05	***
Freq_cooking_scale	0.26213	0.07452	3.518	0.000881	***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 4.962805)

   Null deviance: 327.20 on 56 degrees of freedom
Residual deviance: 259.51 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

```
> #####
> m12<-glm(N_Pl_Foodo ~ Sex, family=quasipoisson, data=data)
```

```
> summary(m12)

Call:
glm(formula = N_Pl_Foodo ~ Sex, family = quasipoisson, data = data)

Deviance Residuals:
   Min     1Q  Median     3Q    Max
-2.4883 -0.7629  0.0415  0.5439  4.1539

Coefficients:
        Estimate Std. Error t value Pr(>|t|)
(Intercept)  3.06495   0.04729  64.808  <2e-16 ***
SexM        -0.07852   0.07018  -1.119   0.268
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 1.438153)

    Null deviance: 78.580  on 56  degrees of freedom
Residual deviance: 76.776  on 55  degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

> m22<-glm(N_Pl_Foodo ~ Age, family=quasipoisson, data=data)
> summary(m22)

Call:
glm(formula = N_Pl_Foodo ~ Age, family = quasipoisson, data = data)

Deviance Residuals:
   Min     1Q  Median     3Q    Max
-2.6069 -0.8068 -0.0096  0.6160  3.6014

Coefficients:
        Estimate Std. Error t value Pr(>|t|)
(Intercept)  2.90507   0.08710  33.355  <2e-16 ***
Age          0.06267   0.04022   1.558   0.125
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 1.369896)

    Null deviance: 78.580  on 56  degrees of freedom
Residual deviance: 75.256  on 55  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 4

```
> m32<-glm(N_Pl_Foodo ~ Marital_status, family=quasipoisson, data=data)
> summary(m32)
```

Call:
glm(formula = N_Pl_Foodo ~ Marital_status, family = quasipoisson,
   data = data)

Deviance Residuals:
   Min   1Q   Median   3Q   Max
-2.2920 -0.8348 0.0000 0.6744 3.6654

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)   2.94944   0.05943 49.628 <2e-16 ***
Marital_statusD 0.09508   0.12154 0.782   0.438
Marital_statusM 0.13145   0.07708 1.705   0.094 .
Marital_statusV 0.09508   0.16129 0.590   0.558

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 1.416328)

   Null deviance: 78.580 on 56 degrees of freedom
Residual deviance: 74.371 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

```
> m42<-glm(N_Pl_Foodo ~ Level_studies, family=quasipoisson, data=data)
> summary(m42)
```

Call:
glm(formula = N_Pl_Foodo ~ Level_studies, family = quasipoisson,
   data = data)

Deviance Residuals:
   Min   1Q   Median   3Q   Max
-2.5258 -0.5999 -0.0538 0.5040 4.0450

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)   3.08453   0.09908 31.131 <2e-16 ***
Level_studiesP -0.05601   0.12599 -0.445   0.658
Level_studiesS -0.03473   0.13313 -0.261   0.795
Level_studiesU -0.07680   0.11125 -0.690   0.493

(Dispersion parameter for quasipoisson family taken to be 1.502087)

    Null deviance: 78.580 on 56 degrees of freedom
Residual deviance: 77.768 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

```
> m52<-glm(N_Pl_Foodo ~ N_House, family=quasipoisson, data=data)
> summary(m52)
```

Call:
glm(formula = N_Pl_Foodo ~ N_House, family = quasipoisson, data = data)

Deviance Residuals:
    Min   1Q Median   3Q   Max
-2.7407 -0.6289 0.1006 0.5882 3.8998

Coefficients:
         Estimate Std. Error t value Pr(>|t|)
(Intercept) 2.93865   0.06467 45.439 <2e-16 ***
N_House   0.02431   0.01461   1.664   0.102

(Dispersion parameter for quasipoisson family taken to be 1.366589)

    Null deviance: 78.580 on 56 degrees of freedom
Residual deviance: 74.823 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

```
> m62<-glm(N_Pl_Foodo ~ Freq_cooking, family=quasipoisson, data=data)
> summary(m62)
```

Call:
glm(formula = N_Pl_Foodo ~ Freq_cooking, family = quasipoisson,
   data = data)

Deviance Residuals:
    Min   1Q Median   3Q   Max
-2.7144 -0.7130 -0.0202 0.5962 4.0995

Coefficients:

	Estimate	Std. Error	t value	Pr(>|t|)	
(Intercept)	2.987628	0.059097	50.555	<2e-16	***
Freq_cooking	0.003153	0.003635	0.867	0.39	

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 1.436085)

    Null deviance: 78.580 on 56 degrees of freedom
Residual deviance: 77.499 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

```
> m72<-glm(N_Pl_Foodo ~ Freq_cooking_scale, family=quasipoisson, data=data)
> summary(m72)
```

Call:
glm(formula = N_Pl_Foodo ~ Freq_cooking_scale, family = quasipoisson,
   data = data)

Deviance Residuals:
```
   Min     1Q  Median     3Q     Max
-2.6889 -0.6852 -0.0344  0.5560  4.0671
```

Coefficients:

	Estimate	Std. Error	t value	Pr(>|t|)	
(Intercept)	2.98867	0.06884	43.415	<2e-16	***
Freq_cooking_scale	0.01474	0.02178	0.677	0.501	

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 1.441703)

    Null deviance: 78.580 on 56 degrees of freedom
Residual deviance: 77.917 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

<mark>FOOD-MED ITEMS</mark>

```
> #####
> m13<-glm(N_Pl_M.F ~ Sex, family=quasipoisson, data=data)
> summary(m13)
```

Call:
glm(formula = N_Pl_M.F ~ Sex, family = quasipoisson, data = data)

Deviance Residuals:
   Min   1Q   Median   3Q   Max
-4.4458 -1.2725 -0.0542 1.3100 3.4141

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 3.18910   0.06291 50.691 < 2e-16 ***
SexM   -1.22745   0.13771 -8.913 2.91e-12 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 2.881369)

    Null deviance: 443.76 on 56 degrees of freedom
Residual deviance: 164.78 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m23<-glm(N_Pl_M.F ~ Age, family=quasipoisson, data=data)
> summary(m23)

Call:
glm(formula = N_Pl_M.F ~ Age, family = quasipoisson, data = data)

Deviance Residuals:
   Min   1Q   Median   3Q   Max
-5.6127 -3.0035   0.2822 1.7713 4.8056

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)   2.3664   0.2274 10.408 1.31e-14 ***
Age   0.2053   0.1007   2.039   0.0463 *

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 6.636641)

    Null deviance: 443.76 on 56 degrees of freedom
Residual deviance: 415.98 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

```
> m33<-glm(N_Pl_M.F ~ Marital_status, family=quasipoisson, data=data)
> summary(m33)

Call:
glm(formula = N_Pl_M.F ~ Marital_status, family = quasipoisson,
    data = data)

Deviance Residuals:
    Min      1Q   Median      3Q     Max
-5.4101  -2.7658  -0.1296  1.9311  4.1290

Coefficients:
               Estimate Std. Error t value Pr(>|t|)
(Intercept)      2.3979     0.1670  14.359   <2e-16 ***
Marital_statusD  0.5810     0.2872   2.023   0.0481 *
Marital_statusM  0.5229     0.2019   2.590   0.0124 *
Marital_statusV  0.7520     0.3463   2.172   0.0344 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 6.441917)

    Null deviance: 443.76  on 56  degrees of freedom
Residual deviance: 382.94  on 53  degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m43<-glm(N_Pl_M.F ~ Level_studies, family=quasipoisson, data=data)
> summary(m43)

Call:
glm(formula = N_Pl_M.F ~ Level_studies, family = quasipoisson,
    data = data)

Deviance Residuals:
    Min      1Q   Median      3Q     Max
-4.7973  -1.8104   0.2451  1.4944  4.3524

Coefficients:
               Estimate Std. Error t value Pr(>|t|)
(Intercept)      3.2246     0.1689  19.091  < 2e-16 ***
Level_studiesP  -0.0500     0.2145  -0.233    0.817
Level_studiesS  -0.3404     0.2444  -1.393    0.169
Level_studiesU  -0.9015     0.2133  -4.227 9.39e-05 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 5.021117)

    Null deviance: 443.76 on 56 degrees of freedom
Residual deviance: 300.17 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m53<-glm(N_Pl_M.F ~ N_House, family=quasipoisson, data=data)
> summary(m53)

Call:
glm(formula = N_Pl_M.F ~ N_House, family = quasipoisson, data = data)

Deviance Residuals:
    Min   1Q Median   3Q   Max
-4.9387 -2.7580 0.0477 1.9618 4.9504

Coefficients:
        Estimate Std. Error t value Pr(>|t|)
(Intercept) 2.98506   0.15596 19.140 <2e-16 ***
N_House   -0.05857   0.03885 -1.507   0.137

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 6.991719)

    Null deviance: 443.76 on 56 degrees of freedom
Residual deviance: 427.56 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m63<-glm(N_Pl_M.F ~ Freq_cooking, family=quasipoisson, data=data)
> summary(m63)

Call:
glm(formula = N_Pl_M.F ~ Freq_cooking, family = quasipoisson,
   data = data)

Deviance Residuals:
    Min   1Q Median   3Q   Max
-5.4165 -1.4089 0.0632 1.1045 4.0638

Coefficients:
        Estimate Std. Error t value Pr(>|t|)

(Intercept)   2.08669   0.14428 14.463 < 2e-16 ***
Freq_cooking 0.04653   0.00752   6.188 7.99e-08 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 4.216711)

    Null deviance: 443.76 on 56 degrees of freedom
Residual deviance: 271.32 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

```
> m73<-glm(N_Pl_M.F ~ Freq_cooking_scale, family=quasipoisson, data=data)
> summary(m73)
```

Call:
glm(formula = N_Pl_M.F ~ Freq_cooking_scale, family = quasipoisson,
   data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-5.4160 -1.0919   0.1549   0.9749   3.9201

Coefficients:
           Estimate Std. Error t value Pr(>|t|)
(Intercept)   1.88679   0.17562 10.743 4.02e-15 ***
Freq_cooking_scale 0.29424   0.04819   6.106 1.09e-07 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 4.195222)

    Null deviance: 443.76 on 56 degrees of freedom
Residual deviance: 268.33 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

==MEDICINAL ITEMS==

```
> #####
> m14<-glm(N_Pl_Med ~ Sex, family=quasipoisson, data=data)
> summary(m14)
```

Call:
glm(formula = N_Pl_Med ~ Sex, family = quasipoisson, data = data)

Deviance Residuals:
```
   Min     1Q  Median     3Q     Max
-5.5449 -2.1370 -0.3803  1.4213  6.3797
```

Coefficients:
```
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  3.56199   0.07197  49.493  < 2e-16 ***
SexM        -1.12773   0.15151  -7.443 7.08e-10 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 5.474777)

```
    Null deviance: 656.77  on 56  degrees of freedom
Residual deviance: 297.30  on 55  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 5

```
> m24<-glm(N_Pl_Med ~ Age, family=quasipoisson, data=data)
> summary(m24)
```

Call:
glm(formula = N_Pl_Med ~ Age, family = quasipoisson, data = data)

Deviance Residuals:
```
   Min     1Q  Median     3Q     Max
-6.4037 -3.3865  0.5723  2.2994  4.8553
```

Coefficients:
```
            Estimate Std. Error t value Pr(>|t|)
(Intercept)   2.6673    0.2259  11.809  <2e-16 ***
Age           0.2497    0.0988   2.527  0.0144 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 9.407502)

```
    Null deviance: 656.77  on 56  degrees of freedom
Residual deviance: 596.04  on 55  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 5

```
> m34<-glm(N_Pl_Med ~ Marital_status, family=quasipoisson, data=data)
> summary(m34)
```

Call:
glm(formula = N_Pl_Med ~ Marital_status, family = quasipoisson,
  data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-5.8277 -3.4881 -0.5573 2.3882 6.0513

Coefficients:
          Estimate Std. Error t value Pr(>|t|)
(Intercept)   2.8499   0.1674 17.021 <2e-16 ***
Marital_statusD 0.5513   0.2908 1.896 0.0634 .
Marital_statusM 0.4280   0.2055 2.082 0.0422 *
Marital_statusV 0.7149   0.3522 2.030 0.0474 *

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 10.17578)

    Null deviance: 656.77 on 56 degrees of freedom
Residual deviance: 583.80 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m44<-glm(N_Pl_Med ~ Level_studies, family=quasipoisson, data=data)
> summary(m44)

Call:
glm(formula = N_Pl_Med ~ Level_studies, family = quasipoisson,
  data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-6.4856 -2.5584 -0.2452 1.6181 6.6020

Coefficients:
          Estimate Std. Error t value Pr(>|t|)
(Intercept)   3.53889   0.18367 19.268 < 2e-16 ***
Level_studiesP 0.01646   0.23042 0.071 0.943316
Level_studiesS -0.19485   0.25616 -0.761 0.450238
Level_studiesU -0.79916   0.22769 -3.510 0.000924 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 8.130141)

Null deviance: 656.77 on 56 degrees of freedom
Residual deviance: 468.89 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m54<-glm(N_Pl_Med ~ N_House, family=quasipoisson, data=data)
> summary(m54)

Call:
glm(formula = N_Pl_Med ~ N_House, family = quasipoisson, data = data)

Deviance Residuals:
    Min   1Q   Median   3Q   Max
-6.4540 -2.8377 -0.1433 2.2733 5.9247

Coefficients:
          Estimate Std. Error t value Pr(>|t|)
(Intercept) 3.40139   0.15486 21.965 <2e-16 ***
N_House   -0.06515   0.03889 -1.675 0.0995 .

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 10.32178)

    Null deviance: 656.77 on 56 degrees of freedom
Residual deviance: 627.17 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m64<-glm(N_Pl_Med ~ Freq_cooking, family=quasipoisson, data=data)
> summary(m64)

Call:
glm(formula = N_Pl_Med ~ Freq_cooking, family = quasipoisson,
   data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-6.222 -1.965 0.182 1.916 5.690

Coefficients:
           Estimate Std. Error t value Pr(>|t|)
(Intercept) 2.499484   0.146585 17.051 < 2e-16 ***
Freq_cooking 0.045453   0.007667 5.929 2.1e-07 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 6.540387)

    Null deviance: 656.77 on 56 degrees of freedom
Residual deviance: 411.96 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> m74<-glm(N_Pl_Med ~ Freq_cooking_scale, family=quasipoisson, data=data)
> summary(m74)

Call:
glm(formula = N_Pl_Med ~ Freq_cooking_scale, family = quasipoisson,
   data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-6.218 -1.469   0.248   1.599   5.670

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)   2.30878   0.17792   12.98 < 2e-16 ***
Freq_cooking_scale 0.28606   0.04898   5.84 2.91e-07 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 6.498579)

    Null deviance: 656.77 on 56 degrees of freedom
Residual deviance: 409.28 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

==FOOD ITEMS==

> #####
> m15<-glm(N_Pl_Food ~ Sex, family=quasipoisson, data=data)
> summary(m15)

Call:
glm(formula = N_Pl_Food ~ Sex, family = quasipoisson, data = data)

Deviance Residuals:

```
   Min     1Q  Median    3Q     Max
-3.2053  -1.0505  0.0098  0.9493  3.4950
```

Coefficients:
```
           Estimate Std. Error t value Pr(>|t|)
(Intercept)  3.82719   0.03693   103.6  < 2e-16 ***
SexM        -0.53410   0.06283    -8.5 1.34e-11 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 1.878896)

```
    Null deviance: 246.20  on 56  degrees of freedom
Residual deviance: 104.28  on 55  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 4

```
> m25<-glm(N_Pl_Food ~ Age, family=quasipoisson, data=data)
> summary(m25)
```

Call:
glm(formula = N_Pl_Food ~ Age, family = quasipoisson, data = data)

Deviance Residuals:
```
  Min    1Q  Median    3Q    Max
-4.792  -1.585  -0.110  1.431  3.709
```

Coefficients:
```
           Estimate Std. Error t value Pr(>|t|)
(Intercept)  3.36023   0.11170  30.083  <2e-16 ***
Age          0.12488   0.05063   2.467  0.0168 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 3.872409)

```
    Null deviance: 246.20  on 56  degrees of freedom
Residual deviance: 222.62  on 55  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 4

```
> m35<-glm(N_Pl_Food ~ Marital_status, family=quasipoisson, data=data)
> summary(m35)
```

Call:

```
glm(formula = N_Pl_Food ~ Marital_status, family = quasipoisson,
   data = data)
```

Deviance Residuals:
```
   Min     1Q  Median     3Q    Max
-3.7657 -1.3786  0.1293  1.2623  3.6787
```

Coefficients:
```
             Estimate Std. Error t value Pr(>|t|)
(Intercept)    3.41068   0.07637 44.658  < 2e-16 ***
Marital_statusD 0.29473   0.14504  2.032 0.04717 *
Marital_statusM 0.28925   0.09607  3.011 0.00399 **
Marital_statusV 0.38106   0.18365  2.075 0.04286 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 3.709786)

```
   Null deviance: 246.20  on 56  degrees of freedom
Residual deviance: 204.31  on 53  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 4

```
> m45<-glm(N_Pl_Food ~ Level_studies, family=quasipoisson, data=data)
> summary(m45)
```

Call:
```
glm(formula = N_Pl_Food ~ Level_studies, family = quasipoisson,
   data = data)
```

Deviance Residuals:
```
   Min     1Q  Median     3Q    Max
-4.1465 -1.0374  0.1985  1.0691  3.5232
```

Coefficients:
```
             Estimate Std. Error t value Pr(>|t|)
(Intercept)    3.85922   0.09723 39.693  < 2e-16 ***
Level_studiesP -0.06000   0.12373 -0.485 0.629732
Level_studiesS -0.19566   0.13563 -1.443 0.154997
Level_studiesU -0.43980   0.11400 -3.858 0.000312 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 3.138394)

```
   Null deviance: 246.20  on 56  degrees of freedom
```

Residual deviance: 173.84 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

```
> m55<-glm(N_Pl_Food ~ N_House, family=quasipoisson, data=data)
> summary(m55)
```

Call:
glm(formula = N_Pl_Food ~ N_House, family = quasipoisson, data = data)

Deviance Residuals:
    Min   1Q Median   3Q   Max
-4.2399 -1.6850 -0.2971 1.6137 4.3277

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 3.644418   0.084316 43.223 <2e-16 ***
N_House   -0.009818   0.019826 -0.495   0.622

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 4.363365)

    Null deviance: 246.20 on 56 degrees of freedom
Residual deviance: 245.13 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

```
> m65<-glm(N_Pl_Food ~ Freq_cooking, family=quasipoisson, data=data)
> summary(m65)
```

Call:
glm(formula = N_Pl_Food ~ Freq_cooking, family = quasipoisson,
   data = data)

Deviance Residuals:
    Min   1Q Median   3Q   Max
-4.9622 -1.1048 0.1264 1.0477 3.0266

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 3.308415   0.065168 50.768 < 2e-16 ***
Freq_cooking 0.021746   0.003706   5.868 2.63e-07 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 2.595218)

    Null deviance: 246.20 on 56 degrees of freedom
Residual deviance: 155.56 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

```
> m75<-glm(N_Pl_Food ~ Freq_cooking_scale, family=quasipoisson, data=data)
> summary(m75)
```

Call:
glm(formula = N_Pl_Food ~ Freq_cooking_scale, family = quasipoisson,
    data = data)

Deviance Residuals:
    Min   1Q   Median   3Q   Max
-4.9237 -0.9254   0.1711   1.2313   3.0511

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)   3.23989   0.07820 41.429 < 2e-16 ***
Freq_cooking_scale 0.12960   0.02315   5.597 7.13e-07 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 2.667862)

    Null deviance: 246.20 on 56 degrees of freedom
Residual deviance: 159.52 on 55 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

BONFERRONI ADJUSTED P VALUES

[1] 7.5680e-11 5.3240e-02 3.4144e-01 8.2280e-02 3.3935e-01 1.0000e+00 1.0000e+00
 [8] 6.1930e-03 1.0000e+00 3.8060e-07 1.0043e-06

[1] 0.004983 0.114400 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000 1.000000
[10] 0.007755 0.009691

[1] 1 1 1 1 1 1 1 1 1 1 1

[1] 3.2010e-11 5.0930e-01 5.2910e-01 1.3640e-01 3.7840e-01 1.0000e+00 1.0000e+00
 [8] 1.0329e-03 1.0000e+00 8.7890e-07 1.1990e-06

[1] 7.7880e-09 1.5840e-01 6.9740e-01 4.6420e-01 5.2140e-01 1.0000e+00 1.0000e+00
 [8] 1.0164e-02 1.0000e+00 2.3100e-06 3.2010e-06

[1] 1.4740e-10 1.8480e-01 5.1887e-01 4.3890e-02 4.7146e-01 1.0000e+00 1.0000e+00
 [8] 3.4320e-03 1.0000e+00 2.8930e-06 7.8430e-06

==MODEL WITH INTERACTIONS==

> model1 <- glm(N_Pl_total ~ Sex * Freq_cooking, family=quasipoisson, data=data)
> summary(model1)

Call:
glm(formula = N_Pl_total ~ Sex * Freq_cooking, family = quasipoisson,
  data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-4.3759 -0.8626 0.1052 0.5373 3.2488

Coefficients:
          Estimate Std. Error t value Pr(>|t|)
(Intercept)   3.588038 0.119516 30.021 < 2e-16 ***
SexM   -0.064729 0.134305 -0.482 0.631824
Freq_cooking   0.022439 0.005629 3.986 0.000207 ***
SexM:Freq_cooking -0.042147 0.009751 -4.322 6.84e-05 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 1.989494)

   Null deviance: 372.48 on 56 degrees of freedom
Residual deviance: 107.25 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

> model2 <- glm(N_Pl_Medo ~ Sex * Freq_cooking, family=quasipoisson, data=data)
> summary(model2)

Call:

```
glm(formula = N_Pl_Medo ~ Sex * Freq_cooking, family = quasipoisson,
   data = data)
```

Deviance Residuals:
```
   Min      1Q  Median      3Q     Max
-5.4888 -1.1647 -0.3871  0.2883  6.5221
```

Coefficients:
```
                 Estimate Std. Error t value Pr(>|t|)
(Intercept)       1.46523    0.44818   3.269   0.0019 **
SexM              0.16774    0.50932   0.329   0.7432
Freq_cooking      0.04454    0.02047   2.176   0.0341 *
SexM:Freq_cooking -0.08196    0.04064  -2.017   0.0488 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 4.49344)

```
    Null deviance: 327.20  on 56  degrees of freedom
Residual deviance: 218.88  on 53  degrees of freedom
AIC: NA
```

Number of Fisher Scoring iterations: 5

```
> model3 <- glm(N_Pl_Foodo ~ Sex * Freq_cooking, family=quasipoisson, data=data)
> summary(model3)
```

Call:
```
glm(formula = N_Pl_Foodo ~ Sex * Freq_cooking, family = quasipoisson,
   data = data)
```

Deviance Residuals:
```
   Min      1Q  Median      3Q     Max
-2.5501 -0.8335 -0.0241  0.6554  4.0143
```

Coefficients:
```
                  Estimate Std. Error t value Pr(>|t|)
(Intercept)       2.825770   0.154552  18.284   <2e-16 ***
SexM              0.225661   0.167159   1.350   0.1828
Freq_cooking      0.012134   0.007395   1.641   0.1067
SexM:Freq_cooking -0.024714   0.010835  -2.281   0.0266 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

(Dispersion parameter for quasipoisson family taken to be 1.36394)

```
    Null deviance: 78.580  on 56  degrees of freedom
```

Residual deviance: 69.451 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4

> model4 <- glm(N_Pl_M.F ~ Sex * Freq_cooking, family=quasipoisson, data=data)
> summary(model4)

Call:
glm(formula = N_Pl_M.F ~ Sex * Freq_cooking, family = quasipoisson,
   data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-4.548 -1.230 -0.173   1.034   3.084

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)   2.732563   0.202852 13.471 < 2e-16 ***
SexM   -0.592591   0.245803 -2.411 0.01942 *
Freq_cooking   0.022919   0.009548   2.400 0.01992 *
SexM:Freq_cooking -0.061120   0.022378 -2.731 0.00855 **

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 2.451249)

   Null deviance: 443.76 on 56 degrees of freedom
Residual deviance: 140.13 on 53 degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> model5 <- glm(N_Pl_Med ~ Sex * Freq_cooking, family=quasipoisson, data=data)
> summary(model5)

Call:
glm(formula = N_Pl_Med ~ Sex * Freq_cooking, family = quasipoisson,
   data = data)

Deviance Residuals:
   Min   1Q Median   3Q   Max
-5.6842 -1.2467 -0.0443   1.0902   5.9354

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)   2.96907   0.23640 12.559 < 2e-16 ***

```
SexM           -0.35766   0.28005 -1.277 0.20712
Freq_cooking    0.02958   0.01102  2.684 0.00968 **
SexM:Freq_cooking -0.06749   0.02447 -2.758 0.00797 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 4.597758)

    Null deviance: 656.77  on 56  degrees of freedom
Residual deviance: 246.77  on 53  degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 5

> model6 <- glm(N_Pl_Food ~ Sex * Freq_cooking, family=quasipoisson, data=data)
> summary(model6)

Call:
glm(formula = N_Pl_Food ~ Sex * Freq_cooking, family = quasipoisson,
    data = data)

Deviance Residuals:
    Min     1Q  Median     3Q     Max
-3.3368 -0.7686 -0.0944  0.7440  3.2745

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)     3.472212   0.110727 31.358  < 2e-16 ***
SexM           -0.084787   0.123923 -0.684 0.496834
Freq_cooking    0.017907   0.005251  3.410 0.001248 **
SexM:Freq_cooking -0.036625   0.008901 -4.115 0.000136 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

(Dispersion parameter for quasipoisson family taken to be 1.435891)

    Null deviance: 246.202  on 56  degrees of freedom
Residual deviance:  76.758  on 53  degrees of freedom
AIC: NA

Number of Fisher Scoring iterations: 4
```