**Summary:**

glm(formula = practice\_level ~ `Parent’s age (years)` + `Parent’s sex` +

`Parent’s education level` + `Employment status` + `Family type` +

`Your average household income per month (BDT)` + `Child’s sex` +

`Child’s age (years)` + `Number of children` + knowledge\_level +

attitude\_level, family = binomial(link = "logit"), data = data)

Coefficients:

Estimate

(Intercept) -0.45743

`Parent’s age (years)`> 45 -0.82101

`Parent’s age (years)`25–35 -0.53353

`Parent’s age (years)`36–45 -0.97902

`Parent’s sex`Male 0.12378

`Parent’s education level`Primary -1.25609

`Parent’s education level`Secondary -0.38483

`Parent’s education level`Undergraduate -0.10849

`Employment status`Not employed 0.26677

`Employment status`Self employed -0.47703

`Family type`Nuclear family -0.39126

`Family type`Single parent family -0.44702

`Your average household income per month (BDT)`Low (less than 30000 BDT) -1.17092

`Your average household income per month (BDT)`Middle (less than 50000 BDT) -0.76990

`Child’s sex`Male -0.30186

`Child’s age (years)`> 10 1.39518

`Child’s age (years)`5–9 0.82693

`Number of children`1 0.44775

`Number of children`2 0.30663

knowledge\_levelModerate -0.04847

knowledge\_levelPoor -0.12643

attitude\_levelpositive 2.51701

attitude\_leveluncertain 1.63543

Std. Error

(Intercept) 0.97588

`Parent’s age (years)`> 45 0.80538

`Parent’s age (years)`25–35 0.69183

`Parent’s age (years)`36–45 0.71239

`Parent’s sex`Male 0.34304

`Parent’s education level`Primary 0.44032

`Parent’s education level`Secondary 0.23277

`Parent’s education level`Undergraduate 0.29191

`Employment status`Not employed 0.36091

`Employment status`Self employed 0.32183

`Family type`Nuclear family 0.23690

`Family type`Single parent family 0.26985

`Your average household income per month (BDT)`Low (less than 30000 BDT) 0.29994

`Your average household income per month (BDT)`Middle (less than 50000 BDT) 0.25336

`Child’s sex`Male 0.17678

`Child’s age (years)`> 10 0.41564

`Child’s age (years)`5–9 0.39710

`Number of children`1 0.30462

`Number of children`2 0.25369

knowledge\_levelModerate 0.25306

knowledge\_levelPoor 0.29256

attitude\_levelpositive 0.38821

attitude\_leveluncertain 0.35894

z value

(Intercept) -0.469

`Parent’s age (years)`> 45 -1.019

`Parent’s age (years)`25–35 -0.771

`Parent’s age (years)`36–45 -1.374

`Parent’s sex`Male 0.361

`Parent’s education level`Primary -2.853

`Parent’s education level`Secondary -1.653

`Parent’s education level`Undergraduate -0.372

`Employment status`Not employed 0.739

`Employment status`Self employed -1.482

`Family type`Nuclear family -1.652

`Family type`Single parent family -1.657

`Your average household income per month (BDT)`Low (less than 30000 BDT) -3.904

`Your average household income per month (BDT)`Middle (less than 50000 BDT) -3.039

`Child’s sex`Male -1.708

`Child’s age (years)`> 10 3.357

`Child’s age (years)`5–9 2.082

`Number of children`1 1.470

`Number of children`2 1.209

knowledge\_levelModerate -0.192

knowledge\_levelPoor -0.432

attitude\_levelpositive 6.484

attitude\_leveluncertain 4.556

Pr(>|z|)

(Intercept) 0.639263

`Parent’s age (years)`> 45 0.308006

`Parent’s age (years)`25–35 0.440590

`Parent’s age (years)`36–45 0.169354

`Parent’s sex`Male 0.718219

`Parent’s education level`Primary 0.004335 \*\*

`Parent’s education level`Secondary 0.098271 .

`Parent’s education level`Undergraduate 0.710153

`Employment status`Not employed 0.459805

`Employment status`Self employed 0.138272

`Family type`Nuclear family 0.098619 .

`Family type`Single parent family 0.097607 .

`Your average household income per month (BDT)`Low (less than 30000 BDT) 9.46e-05 \*\*\*

`Your average household income per month (BDT)`Middle (less than 50000 BDT) 0.002376 \*\*

`Child’s sex`Male 0.087729 .

`Child’s age (years)`> 10 0.000789 \*\*\*

`Child’s age (years)`5–9 0.037302 \*

`Number of children`1 0.141597

`Number of children`2 0.226788

knowledge\_levelModerate 0.848101

knowledge\_levelPoor 0.665631

attitude\_levelpositive 8.96e-11 \*\*\*

attitude\_leveluncertain 5.21e-06 \*\*\*

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

(Dispersion parameter for binomial family taken to be 1)

Null deviance: 937.36 on 702 degrees of freedom

Residual deviance: 798.40 on 680 degrees of freedom

(1 observation deleted due to missingness)

AIC: 844.4

Number of Fisher Scoring iterations: 4

**Report:**

We fitted a logistic model (estimated using ML) to predict practice\_level with Parent’s

age (years), Parent’s sex, Parent’s education level, Employment status, Family type, Your

average household income per month (BDT), Child’s sex, Child’s age (years), Number of

children, knowledge\_level and attitude\_level (formula: practice\_level ~ `Parent’s age

(years)` + `Parent’s sex` + `Parent’s education level` + `Employment status` + `Family

type` + `Your average household income per month (BDT)` + `Child’s sex` + `Child’s age

(years)` + `Number of children` + knowledge\_level + attitude\_level). The model's

explanatory power is moderate (Tjur's R2 = 0.19). The model's intercept, corresponding to

Parent’s age (years) = < 25, Parent’s sex = Female, Parent’s education level =

Postgraduate, Employment status = Employed, Family type = Extended family, Your average

household income per month (BDT) = High (greater than 50000 BDT), Child’s sex = Female,

Child’s age (years) = < 5, Number of children = >= 3, knowledge\_level = Good and

attitude\_level = negative, is at -0.46 (95% CI [-2.36, 1.50], p = 0.639). Within this

model:

- The effect of Parent’s age (years) [> 45] is statistically non-significant and negative

(beta = -0.82, 95% CI [-2.48, 0.72], p = 0.308; Std. beta = -0.82, 95% CI [-2.48, 0.72])

- The effect of Parent’s age (years) [25–35] is statistically non-significant and

negative (beta = -0.53, 95% CI [-1.99, 0.77], p = 0.441; Std. beta = -0.53, 95% CI

[-1.99, 0.77])

- The effect of Parent’s age (years) [36–45] is statistically non-significant and

negative (beta = -0.98, 95% CI [-2.47, 0.37], p = 0.169; Std. beta = -0.98, 95% CI

[-2.47, 0.37])

- The effect of Parent’s sex [Male] is statistically non-significant and positive (beta =

0.12, 95% CI [-0.55, 0.80], p = 0.718; Std. beta = 0.12, 95% CI [-0.55, 0.80])

- The effect of Parent’s education level [Primary] is statistically significant and

negative (beta = -1.26, 95% CI [-2.14, -0.40], p = 0.004; Std. beta = -1.26, 95% CI

[-2.14, -0.40])

- The effect of Parent’s education level [Secondary] is statistically non-significant and

negative (beta = -0.38, 95% CI [-0.85, 0.07], p = 0.098; Std. beta = -0.38, 95% CI

[-0.85, 0.07])

- The effect of Parent’s education level [Undergraduate] is statistically non-significant

and negative (beta = -0.11, 95% CI [-0.68, 0.47], p = 0.710; Std. beta = -0.11, 95% CI

[-0.68, 0.47])

- The effect of Employment status [Not employed] is statistically non-significant and

positive (beta = 0.27, 95% CI [-0.45, 0.97], p = 0.460; Std. beta = 0.27, 95% CI [-0.45,

0.97])

- The effect of Employment status [Self employed] is statistically non-significant and

negative (beta = -0.48, 95% CI [-1.11, 0.15], p = 0.138; Std. beta = -0.48, 95% CI

[-1.11, 0.15])

- The effect of Family type [Nuclear family] is statistically non-significant and

negative (beta = -0.39, 95% CI [-0.86, 0.07], p = 0.099; Std. beta = -0.39, 95% CI

[-0.86, 0.07])

- The effect of Family type [Single parent family] is statistically non-significant and

negative (beta = -0.45, 95% CI [-0.98, 0.08], p = 0.098; Std. beta = -0.45, 95% CI

[-0.98, 0.08])

- The effect of Your average household income per month (BDT) [Low (less than 30000 BDT)]

is statistically significant and negative (beta = -1.17, 95% CI [-1.77, -0.59], p < .001;

Std. beta = -1.17, 95% CI [-1.77, -0.59])

- The effect of Your average household income per month (BDT) [Middle (less than 50000

BDT)] is statistically significant and negative (beta = -0.77, 95% CI [-1.28, -0.28], p =

0.002; Std. beta = -0.77, 95% CI [-1.28, -0.28])

- The effect of Child’s sex [Male] is statistically non-significant and negative (beta =

-0.30, 95% CI [-0.65, 0.04], p = 0.088; Std. beta = -0.30, 95% CI [-0.65, 0.04])

- The effect of Child’s age (years) [> 10] is statistically significant and positive

(beta = 1.40, 95% CI [0.58, 2.22], p < .001; Std. beta = 1.40, 95% CI [0.58, 2.22])

- The effect of Child’s age (years) [5–9] is statistically significant and positive (beta

= 0.83, 95% CI [0.05, 1.61], p = 0.037; Std. beta = 0.83, 95% CI [0.05, 1.61])

- The effect of Number of children [1] is statistically non-significant and positive

(beta = 0.45, 95% CI [-0.15, 1.05], p = 0.142; Std. beta = 0.45, 95% CI [-0.15, 1.05])

- The effect of Number of children [2] is statistically non-significant and positive

(beta = 0.31, 95% CI [-0.19, 0.80], p = 0.227; Std. beta = 0.31, 95% CI [-0.19, 0.80])

- The effect of knowledge level [Moderate] is statistically non-significant and negative

(beta = -0.05, 95% CI [-0.55, 0.44], p = 0.848; Std. beta = -0.05, 95% CI [-0.55, 0.44])

- The effect of knowledge level [Poor] is statistically non-significant and negative

(beta = -0.13, 95% CI [-0.70, 0.45], p = 0.666; Std. beta = -0.13, 95% CI [-0.70, 0.45])

- The effect of attitude level [positive] is statistically significant and positive (beta

= 2.52, 95% CI [1.78, 3.31], p < .001; Std. beta = 2.52, 95% CI [1.78, 3.31])

- The effect of attitude level [uncertain] is statistically significant and positive

(beta = 1.64, 95% CI [0.96, 2.38], p < .001; Std. beta = 1.64, 95% CI [0.96, 2.38])

Standardized parameters were obtained by fitting the model on a standardized version of

the dataset. 95% Confidence Intervals (CIs) and p-values were computed using a Wald

z-distribution approximation.