In [1]:
```r
# Define your variables
independent_vars <- c('BFI..E.', 'BFI..A.', 'BFI..C.', 'BFI..N.', 'BFI..O.', 'EI
dependent_vars <- c('Panas..', 'Panas...1', 'CBCL')
mediator_var <- 'PAQ'

# Load your data
data <- read.csv("Complete_Data_Modified.csv")

# Function to perform linear regression and display results
perform_linear_regression <- function(ind_var, dep_var, mediator_var) {
  cat("Linear Regression Results for:", "\n")
  cat("Independent Variable:", ind_var, "\n")
  cat("Dependent Variable:", dep_var, "\n")
  cat("Mediator Variable:", mediator_var, "\n\n")

  # Create the formula for linear regression
  formula <- paste(dep_var, "~", ind_var)

  # Fit the linear regression model
  model <- lm(formula, data = data)

  # Display the summary of the linear regression model
  print(summary(model))
  cat("\n\n")
}

# Loop through all combinations of independent, dependent, and mediator variable
for (dep_var in dependent_vars) {
  for (ind_var in independent_vars) {
    perform_linear_regression(ind_var, dep_var, mediator_var)
  }
}
```

```
Linear Regression Results for:
Independent Variable: BFI..E.
Dependent Variable: Panas..
Mediator Variable: PAQ


Call:
lm(formula = formula, data = data)

Residuals:
    Min      1Q  Median      3Q     Max
-0.6438 -0.6145  0.3855  0.3855  1.4148

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.55586    0.17779   8.751 7.99e-16 ***
BFI..E.      0.02932    0.09090   0.323    0.747
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.5895 on 204 degrees of freedom
Multiple R-squared:  0.0005096, Adjusted R-squared:  -0.00439
F-statistic: 0.104 on 1 and 204 DF,  p-value: 0.7474




Linear Regression Results for:
Independent Variable: BFI..A.
Dependent Variable: Panas..
Mediator Variable: PAQ


Call:
lm(formula = formula, data = data)

Residuals:
    Min      1Q  Median      3Q     Max
-0.6687 -0.4983  0.3313  0.3313  1.5017

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.32796    0.13171  10.082   <2e-16 ***
BFI..A.      0.17038    0.07526   2.264   0.0246 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.5824 on 204 degrees of freedom
Multiple R-squared:  0.02451,   Adjusted R-squared:  0.01973
F-statistic: 5.126 on 1 and 204 DF,  p-value: 0.02463




Linear Regression Results for:
Independent Variable: BFI..C.
Dependent Variable: Panas..
Mediator Variable: PAQ


Call:
lm(formula = formula, data = data)
```

```
Residuals:
    Min     1Q  Median     3Q     Max
-0.6146 -0.6146  0.3854  0.3854  1.3939

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 1.597656   0.143327  11.147   <2e-16 ***
BFI..C.     0.008454   0.082951   0.102    0.919
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.5897 on 204 degrees of freedom
Multiple R-squared:  5.092e-05, Adjusted R-squared:  -0.004851
F-statistic: 0.01039 on 1 and 204 DF,  p-value: 0.9189
```

```
Linear Regression Results for:
Independent Variable: BFI..N.
Dependent Variable: Panas..
Mediator Variable: PAQ
```

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q  Median     3Q     Max
-0.6654 -0.6213  0.3787  0.3787  1.4229

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.70960    0.17768   9.622   <2e-16 ***
BFI..N.     -0.04415    0.07793  -0.567    0.572
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.5892 on 204 degrees of freedom
Multiple R-squared:  0.001571,  Adjusted R-squared:  -0.003323
F-statistic: 0.3211 on 1 and 204 DF,  p-value: 0.5716
```

```
Linear Regression Results for:
Independent Variable: BFI..O.
Dependent Variable: Panas..
Mediator Variable: PAQ
```

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q  Median     3Q     Max
-0.6171 -0.6171  0.2417  0.3829  1.3829

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)   1.0526     0.2137   4.925 1.74e-06 ***
```

```
BFI..O.        0.2823     0.1060   2.664  0.00834 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.5797 on 204 degrees of freedom
Multiple R-squared:  0.03361,   Adjusted R-squared:  0.02888
F-statistic: 7.096 on 1 and 204 DF,  p-value: 0.008343
```

```
Linear Regression Results for:
Independent Variable: EI..Self.A.
Dependent Variable: Panas..
Mediator Variable: PAQ
```

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q  Median     3Q     Max
-0.6878 -0.6077  0.3580  0.3923  1.4305

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.909220   0.424356   4.499 1.15e-05 ***
EI..Self.A. -0.003817   0.005418  -0.705    0.482
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.589 on 204 degrees of freedom
Multiple R-squared:  0.002427,  Adjusted R-squared:  -0.002463
F-statistic: 0.4964 on 1 and 204 DF,  p-value: 0.4819
```

```
Linear Regression Results for:
Independent Variable: EI..Self.M.
Dependent Variable: Panas..
Mediator Variable: PAQ
```

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q  Median     3Q     Max
-0.6521 -0.6065  0.3645  0.3947  1.4070

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.697727   0.220168   7.711  5.4e-13 ***
EI..Self.M. -0.001232   0.003096  -0.398    0.691
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.5894 on 204 degrees of freedom
Multiple R-squared:  0.0007757, Adjusted R-squared:  -0.004122
F-statistic: 0.1584 on 1 and 204 DF,  p-value: 0.6911
```

```
Linear Regression Results for:
Independent Variable: EI..Social.A.
Dependent Variable: Panas..
Mediator Variable: PAQ



Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q  Median     3Q    Max
-0.9238 -0.6076  0.3186  0.3924  1.4064

Coefficients:
               Estimate Std. Error t value Pr(>|t|)
(Intercept)    2.148710   0.334521   6.423 9.21e-10 ***
EI..Social.A. -0.007027   0.004344  -1.618    0.107
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.5859 on 204 degrees of freedom
Multiple R-squared:  0.01266,   Adjusted R-squared:  0.007823
F-statistic: 2.616 on 1 and 204 DF,  p-value: 0.1073




Linear Regression Results for:
Independent Variable: EI..RM.
Dependent Variable: Panas..
Mediator Variable: PAQ



Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q  Median     3Q    Max
-0.7780 -0.5819  0.2583  0.4181  1.4036

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)  2.126547   0.255987   8.307 1.35e-14 ***
EI..RM.     -0.007262   0.003565  -2.037   0.0429 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.5838 on 204 degrees of freedom
Multiple R-squared:  0.01994,   Adjusted R-squared:  0.01514
F-statistic: 4.151 on 1 and 204 DF,  p-value: 0.04291




Linear Regression Results for:
Independent Variable: Total
Dependent Variable: Panas..
Mediator Variable: PAQ
```

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q  Median     3Q     Max
-0.7390 -0.5988  0.3233  0.3856  1.4480

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.80134    0.13763  13.088   <2e-16 ***
Total       -0.06232    0.04318  -1.443     0.15
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.5867 on 204 degrees of freedom
Multiple R-squared:  0.01011,   Adjusted R-squared:  0.005256
F-statistic: 2.083 on 1 and 204 DF,  p-value: 0.1505
```

```
Linear Regression Results for:
Independent Variable: BFI..E.
Dependent Variable: Panas...1
Mediator Variable: PAQ
```

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q  Median     3Q     Max
-0.3234 -0.2179 -0.2179 -0.1124  0.8876

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)   1.4289     0.1263  11.309   <2e-16 ***
BFI..E.      -0.1055     0.0646  -1.633    0.104
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.419 on 204 degrees of freedom
Multiple R-squared:  0.0129,    Adjusted R-squared:  0.008064
F-statistic: 2.667 on 1 and 204 DF,  p-value: 0.104
```

```
Linear Regression Results for:
Independent Variable: BFI..A.
Dependent Variable: Panas...1
Mediator Variable: PAQ
```

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q  Median     3Q     Max
-0.2447 -0.2323 -0.2199 -0.2199  0.7801

Coefficients:
```

```
                    Estimate Std. Error t value Pr(>|t|)
(Intercept)   1.20751     0.09536  12.663   <2e-16 ***
BFI..A.       0.01240     0.05448   0.228     0.82
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.4216 on 204 degrees of freedom
Multiple R-squared:  0.0002539, Adjusted R-squared:  -0.004647
F-statistic: 0.05181 on 1 and 204 DF,  p-value: 0.8202
```

```
Linear Regression Results for:
Independent Variable: BFI..C.
Dependent Variable: Panas...1
Mediator Variable: PAQ


Call:
lm(formula = formula, data = data)

Residuals:
    Min      1Q  Median      3Q     Max
-0.3133 -0.2500 -0.1867 -0.1867  0.8133

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.12335     0.10222   10.99   <2e-16 ***
BFI..C.      0.06331     0.05916    1.07    0.286
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.4205 on 204 degrees of freedom
Multiple R-squared:  0.005583, Adjusted R-squared:  0.0007084
F-statistic: 1.145 on 1 and 204 DF,  p-value: 0.2858
```

```
Linear Regression Results for:
Independent Variable: BFI..N.
Dependent Variable: Panas...1
Mediator Variable: PAQ


Call:
lm(formula = formula, data = data)

Residuals:
    Min      1Q  Median      3Q     Max
-0.2382 -0.2253 -0.2253 -0.2125  0.7875

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.19971     0.12715   9.435   <2e-16 ***
BFI..N.      0.01282     0.05576   0.230    0.818
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.4216 on 204 degrees of freedom
Multiple R-squared:  0.0002591, Adjusted R-squared:  -0.004642
```

F-statistic: 0.05286 on 1 and 204 DF, p-value: 0.8184

Linear Regression Results for:
Independent Variable: BFI..O.
Dependent Variable: Panas...1
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
    Min   1Q Median   3Q   Max
-0.2638 -0.2275 -0.2275 -0.1911 0.8089

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept) 1.30013   0.15540   8.366 9.32e-15 ***
BFI..O.   -0.03634   0.07705 -0.472   0.638

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

Residual standard error: 0.4215 on 204 degrees of freedom
Multiple R-squared: 0.001089, Adjusted R-squared: -0.003807
F-statistic: 0.2225 on 1 and 204 DF, p-value: 0.6377

Linear Regression Results for:
Independent Variable: EI..Self.A.
Dependent Variable: Panas...1
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
    Min   1Q Median   3Q   Max
-0.2821 -0.2390 -0.2175 -0.1845 0.8579

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept) 1.018205   0.303485   3.355 0.000946 ***
EI..Self.A. 0.002693   0.003875   0.695 0.487811

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

Residual standard error: 0.4212 on 204 degrees of freedom
Multiple R-squared: 0.002363, Adjusted R-squared: -0.002528
F-statistic: 0.4831 on 1 and 204 DF, p-value: 0.4878

Linear Regression Results for:
Independent Variable: EI..Self.M.
Dependent Variable: Panas...1
Mediator Variable: PAQ

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q Median     3Q    Max
-0.3181 -0.2440 -0.2132 -0.1360  0.8486

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 1.012543   0.156761   6.459 7.57e-10 ***
EI..Self.M. 0.003087   0.002205   1.400    0.163
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.4197 on 204 degrees of freedom
Multiple R-squared:  0.009516,  Adjusted R-squared:  0.004661
F-statistic:  1.96 on 1 and 204 DF,  p-value: 0.163
```

```
Linear Regression Results for:
Independent Variable: EI..Social.A.
Dependent Variable: Panas...1
Mediator Variable: PAQ
```

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q Median     3Q    Max
-0.3841 -0.2327 -0.1929 -0.1132  0.8868

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept)   0.619263   0.236897   2.614  0.00961 **
EI..Social.A. 0.007967   0.003076   2.590  0.01030 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.4149 on 204 degrees of freedom
Multiple R-squared:  0.03183,   Adjusted R-squared:  0.02708
F-statistic: 6.706 on 1 and 204 DF,  p-value: 0.0103
```

```
Linear Regression Results for:
Independent Variable: EI..RM.
Dependent Variable: Panas...1
Mediator Variable: PAQ
```

```
Call:
lm(formula = formula, data = data)

Residuals:
    Min     1Q Median     3Q    Max
-0.2499 -0.2319 -0.2243 -0.2096  0.7956
```

Coefficients:
```
                Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.2954016  0.1848590   7.008 3.47e-11 ***
EI..RM.     -0.0009484  0.0025741  -0.368    0.713
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Residual standard error: 0.4216 on 204 degrees of freedom
Multiple R-squared: 0.000665, Adjusted R-squared: -0.004234
F-statistic: 0.1358 on 1 and 204 DF, p-value: 0.7129

Linear Regression Results for:
Independent Variable: Total
Dependent Variable: Panas...1
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
```
    Min      1Q  Median      3Q     Max
-0.3018 -0.2641 -0.2265 -0.1512  0.8488
```

Coefficients:
```
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.11362    0.09857  11.298   <2e-16 ***
Total        0.03763    0.03092   1.217    0.225
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Residual standard error: 0.4202 on 204 degrees of freedom
Multiple R-squared: 0.007206, Adjusted R-squared: 0.002339
F-statistic: 1.481 on 1 and 204 DF, p-value: 0.2251

Linear Regression Results for:
Independent Variable: BFI..E.
Dependent Variable: CBCL
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
```
    Min      1Q  Median      3Q     Max
-1.4965 -0.4520  0.5035  0.5480  0.5926
```

Coefficients:
```
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  2.54109    0.21844  11.633   <2e-16 ***
BFI..E.     -0.04455    0.11169  -0.399     0.69
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Residual standard error: 0.7243 on 204 degrees of freedom
Multiple R-squared: 0.0007794, Adjusted R-squared: -0.004119
F-statistic: 0.1591 on 1 and 204 DF, p-value: 0.6904

Linear Regression Results for:
Independent Variable: BFI..A.
Dependent Variable: CBCL
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
    Min   1Q Median   3Q   Max
-1.6508 -0.3584 0.3492 0.6417 0.6417

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 2.94326   0.15991 18.406 < 2e-16 ***
BFI..A.   -0.29245   0.09137 -3.201 0.00159 **

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

Residual standard error: 0.7071 on 204 degrees of freedom
Multiple R-squared: 0.04782,   Adjusted R-squared: 0.04316
F-statistic: 10.25 on 1 and 204 DF, p-value: 0.001589

Linear Regression Results for:
Independent Variable: BFI..C.
Dependent Variable: CBCL
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
    Min   1Q Median   3Q   Max
-1.6457 -0.3567 0.3543 0.6433 0.6433

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 2.93467   0.17262 17.000 < 2e-16 ***
BFI..C.   -0.28898   0.09991 -2.893 0.00424 **

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

Residual standard error: 0.7102 on 204 degrees of freedom
Multiple R-squared: 0.0394,   Adjusted R-squared: 0.03469
F-statistic: 8.367 on 1 and 204 DF, p-value: 0.004236

Linear Regression Results for:
Independent Variable: BFI..N.

Dependent Variable: CBCL
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
     Min   1Q Median   3Q   Max
-1.6267 -0.4087 0.3733 0.5913 0.8094

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 1.97257   0.21572   9.144 <2e-16 ***
BFI..N.   0.21805   0.09461   2.305 0.0222 *

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

Residual standard error: 0.7153 on 204 degrees of freedom
Multiple R-squared: 0.02538,   Adjusted R-squared: 0.0206
F-statistic: 5.312 on 1 and 204 DF, p-value: 0.02218

Linear Regression Results for:
Independent Variable: BFI..O.
Dependent Variable: CBCL
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
     Min   1Q Median   3Q   Max
-1.7242 -0.4510 0.5490 0.5490 0.8222

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)   2.9974   0.2644 11.338 <2e-16 ***
BFI..O.   -0.2732   0.1311 -2.084 0.0384 *

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

Residual standard error: 0.717 on 204 degrees of freedom
Multiple R-squared: 0.02085,   Adjusted R-squared: 0.01605
F-statistic: 4.344 on 1 and 204 DF, p-value: 0.03838

Linear Regression Results for:
Independent Variable: EI..Self.A.
Dependent Variable: CBCL
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:

```
    Min      1Q  Median      3Q      Max
-1.5223 -0.4625  0.5016  0.5539  0.6630


Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept) 1.990230   0.521060    3.820 0.000177 ***
EI..Self.A. 0.005978   0.006652    0.899 0.369873
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.7232 on 204 degrees of freedom
Multiple R-squared:  0.003943,  Adjusted R-squared:  -0.0009391
F-statistic: 0.8077 on 1 and 204 DF,  p-value: 0.3699




Linear Regression Results for:
Independent Variable: EI..Self.M.
Dependent Variable: CBCL
Mediator Variable: PAQ


Call:
lm(formula = formula, data = data)

Residuals:
    Min      1Q  Median      3Q      Max
-1.6516 -0.4786  0.4159  0.5171  0.8208

Coefficients:
              Estimate Std. Error t value Pr(>|t|)
(Intercept) 1.867009   0.267373    6.983    4e-11 ***
EI..Self.M. 0.008436   0.003760    2.243   0.0259 *
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.7158 on 204 degrees of freedom
Multiple R-squared:  0.02408,   Adjusted R-squared:  0.01929
F-statistic: 5.033 on 1 and 204 DF,  p-value: 0.02594




Linear Regression Results for:
Independent Variable: EI..Social.A.
Dependent Variable: CBCL
Mediator Variable: PAQ


Call:
lm(formula = formula, data = data)

Residuals:
    Min      1Q  Median      3Q      Max
-1.5538 -0.4599  0.4713  0.5464  0.7279

Coefficients:
                Estimate Std. Error t value Pr(>|t|)
(Intercept)   1.977991   0.412315    4.797 3.1e-06 ***
EI..Social.A. 0.006258   0.005355    1.169   0.244
---
```

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

Residual standard error: 0.7222 on 204 degrees of freedom
Multiple R-squared: 0.006652, Adjusted R-squared: 0.001783
F-statistic: 1.366 on 1 and 204 DF, p-value: 0.2438

Linear Regression Results for:
Independent Variable: EI..RM.
Dependent Variable: CBCL
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
    Min   1Q Median   3Q   Max
-1.5296 -0.4665 0.4801 0.5432 0.7421

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 2.112302   0.316808   6.667 2.39e-10 ***
EI..RM.   0.004852   0.004411   1.100   0.273

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

Residual standard error: 0.7225 on 204 degrees of freedom
Multiple R-squared: 0.005895, Adjusted R-squared: 0.001022
F-statistic: 1.21 on 1 and 204 DF, p-value: 0.2727

Linear Regression Results for:
Independent Variable: Total
Dependent Variable: CBCL
Mediator Variable: PAQ

Call:
lm(formula = formula, data = data)

Residuals:
    Min   1Q Median   3Q   Max
-1.5594 -0.4516 0.4406 0.5484 0.7639

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 2.12832   0.16828 12.648   <2e-16 ***
Total   0.10776   0.05279   2.041   0.0425 *

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

Residual standard error: 0.7173 on 204 degrees of freedom
Multiple R-squared: 0.02001,   Adjusted R-squared: 0.01521
F-statistic: 4.166 on 1 and 204 DF, p-value: 0.04252

In [ ]: