

```
> model1 <- lm(child[-32],mom[-32])
> summary(model1)
```

```
Call:
lm(formula = child[-32] ~ mom[-32])
```

```
Residuals:
    Min       1Q   Median       3Q      Max
-7.9387 -1.6333  0.3667  2.1444  5.0613
```

```
Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  30.6327    13.6118   2.250  0.03143 *
mom[-32]      0.6107     0.2066   2.955  0.00582 **
---
```

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

```
Residual standard error: 3.044 on 32 degrees of freedom
Multiple R-squared:  0.2144, Adjusted R-squared:  0.1899
F-statistic: 8.734 on 1 and 32 DF, p-value: 0.00582
```

```
> model2 <- lm(child[-32]~dad)
> summary(model2)
```

```
Call:
lm(formula = child[-32] ~ dad)
```

```
Residuals:
    Min       1Q   Median       3Q      Max
-6.4541 -1.2016  0.7746  2.0033  5.6309
```

```
Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  38.4308    15.0283   2.557  0.0155 *
dad           0.4575     0.2121   2.157  0.0386 *
---
```

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

```
Residual standard error: 3.209 on 32 degrees of freedom
Multiple R-squared:  0.127, Adjusted R-squared:  0.0997
F-statistic: 4.654 on 1 and 32 DF, p-value: 0.03859
```

```
> model3 <- lm(child[-32]~mom[-32]+dad)
> summary(model3)
```

```
Call:
lm(formula = child[-32] ~ mom[-32] + dad)
```

```
Residuals:
    Min       1Q   Median       3Q      Max
-6.646 -1.687  0.569  2.111  4.770
```

```
Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept)  18.9794    16.5703   1.145  0.2608
mom[-32]      0.5037     0.2232   2.256  0.0313 *
dad           0.2640     0.2173   1.215  0.2336
---
```

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

Residual standard error: 3.021 on 31 degrees of freedom
Multiple R-squared: 0.2501, Adjusted R-squared: 0.2017
F-statistic: 5.17 on 2 and 31 DF, p-value: 0.01154