

ROBBERY, MURDER AND MAKING PARENTS PROUD AS GOAL IN 18 COUNTRIES

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We present two linear univariate predictions of Robbery and Murder Rates using proportion of people in a country who do *not* have making their parents proud as a major goal.

1. MURDER IS PREDICTED WITH CLOSE TO 95 PERCENT SIGNIFICANCE

```
> summary(mod.murd.npp)
```

Call:

```
lm(formula = Murder ~ NoPProud, data = crms)
```

Residuals:

Min	1Q	Median	3Q	Max
-3.0158	-0.8879	-0.4276	0.1988	4.9189

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	4.54813	1.20666	3.769	0.00168 **
NoPProud	-0.10404	0.04993	-2.084	0.05359 .

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

Residual standard error: 1.916 on 16 degrees of freedom
Multiple R-squared: 0.2134, Adjusted R-squared: 0.1643

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F-statistic: 4.341 on 1 and 16 DF, p-value: 0.05359

The coefficient is negative for NoPProud to predict Murder Rate.

2. WEAKER RESULT FOR ROBBERY

```
> summary(mod.rob.npp)
```

Call:

```
lm(formula = Robbery ~ NoPProud, data = crms)
```

Residuals:

Min	1Q	Median	3Q	Max
-90.217	-49.406	0.026	28.945	115.905

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	18.109	38.388	0.472	0.643
NoPProud	2.368	1.589	1.490	0.156

Residual standard error: 60.96 on 16 degrees of freedom

Multiple R-squared: 0.1219, Adjusted R-squared: 0.06703

F-statistic: 2.221 on 1 and 16 DF, p-value: 0.1556

This I do not have any explanation for: the coefficient is positive but the p-value is 0.156 for NoPProud variable.