

## Example 1-2

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```
[ ]: # need to install the following packages and library (if not already installed)
install.packages("pder")
install.packages("plm")
library("plm")
```

```
[3]: ##-----Block 1-----

#### Example 1-2 ####

# Below is a compact way of displaying coefficient results.
# We do so by applying the coefficient function to a summary of the model (plm)

## -----

# import the data
data("Tileries", package = "pder")

# fixed effects model estimation
coef(summary(plm(log(output) ~ log(labor) + machine, data = Tileries,
                  subset = area == "fayoum")))
```

	Estimate	Std. Error	t-value	Pr(> t )
log(labor)	0.9174031200	0.04661290	19.681312113	2.932873e-45
machine	0.0001074255	0.01243696	0.008637602	9.931186e-01

```
[4]: ##-----Block 2-----

# pooled linear model specification
coef(summary(plm(log(output) ~ log(labor) + machine, data = Tileries,
                  model = "pooling", subset = area == "fayoum")))
```

	Estimate	Std. Error	t-value	Pr(> t )
(Intercept)	0.173422745	0.07054272	2.458407	1.493454e-02
log(labor)	0.964845423	0.03818064	25.270538	3.992026e-60
machine	0.002242777	0.01000217	0.224229	8.228422e-01