I am now trying to create an artificial model for analyzing effects of price shocks on households. This is good for my planning and stuff. Thus, my model is as follows:

$$y = \beta_0 + \beta_1 x_1 + \beta_2 x_2 + \epsilon \tag{1}$$

```
Call:
lm(formula = y ~ x1 + x2)

Residuals:
    Min      1Q  Median      3Q     Max
-41.481  -8.976   0.306   8.458  43.186

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) 47.93775    1.60975   29.78   <2e-16 ***
x1           0.39873    0.02952   13.51   <2e-16 ***
x2          12.08728    0.16104   75.06   <2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 13.32 on 997 degrees of freedom
Multiple R-squared:  0.8542,        Adjusted R-squared:  0.8539
F-statistic:  2921 on 2 and 997 DF,  p-value: < 2.2e-16
```

```
================================================
                        Dependent variable:
                    ---------------------------
                                   y
------------------------------------------------
x1                             0.399***
                                (0.030)

x2                             12.087***
                                (0.161)

Constant                       47.938***
                                (1.610)

------------------------------------------------
Observations                     1,000
R2                               0.854
Adjusted R2                      0.854
Residual Std. Error       13.316 (df = 997)
F Statistic          2,920.939*** (df = 2; 997)
================================================
Note:                *p<0.1; **p<0.05; ***p<0.01
```