Histogram of Household Size

Figure 7: Scatter Plot

ecolbs ~ ecoprc
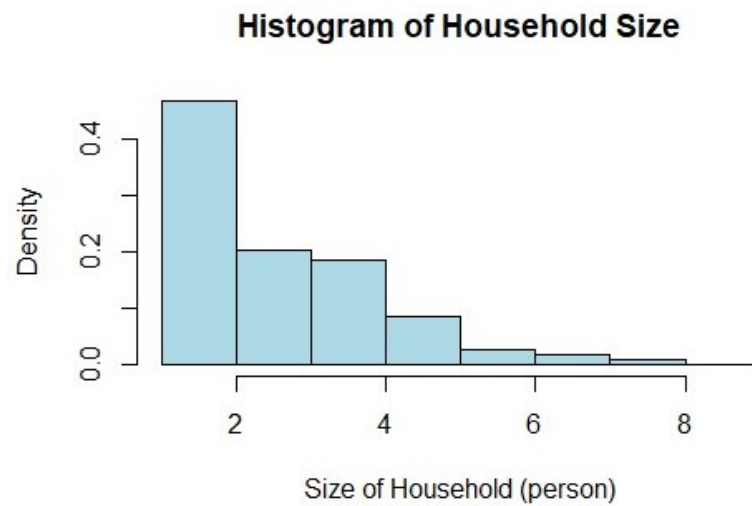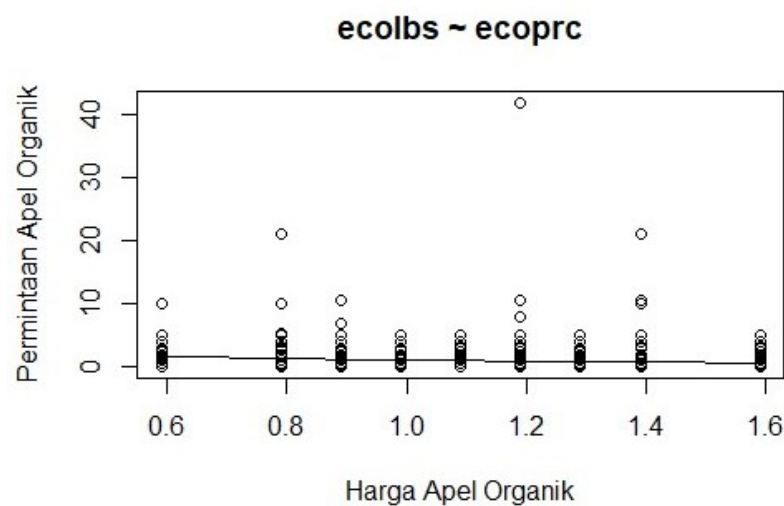

Model Regresi Linear Berganda

Figure 8: Regresi Linear Berganda

```
Residuals:
   Min     1Q Median     3Q    Max
-2.482 -1.135 -0.546  0.557 39.848

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept)  1.176843   0.800601   1.470    0.142
ecoprc      -2.870791   0.591682  -4.852 1.53e-06 ***
regprc       3.007563   0.711847   4.225 2.73e-05 ***
faminc       0.002251   0.002864   0.786    0.432
educ         0.035466   0.045205   0.785    0.433
hhsize       0.060487   0.064204   0.942    0.346
inseason    -0.181564   0.205474  -0.884    0.377
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 2.484 on 653 degrees of freedom
Multiple R-squared:  0.04131,   Adjusted R-squared:  0.0325
F-statistic: 4.689 on 6 and 653 DF,  p-value: 0.0001103
```

Figure 9: Uji Multikolinearitas

```
   ecoprc   regprc   faminc     educ   hhsize inseason
3.265484 3.233419 1.118841 1.128222 1.024953 1.007752
```

Figure 10: Uji Breusch-Pagan

```
studentized Breusch-Pagan test

data:  apple6
BP = 5.4144, df = 6, p-value = 0.4919
```

Figure 11: White Robust Standard Error

```
t test of coefficients:

             Estimate Std. Error t value  Pr(>|t|)
(Intercept)  1.1768433  1.0848241  1.0848 0.2783999
ecoprc      -2.8707910  0.7526719 -3.8141 0.0001496 ***
regprc       3.0075627  1.8212520  1.6514 0.0991436 .
faminc       0.0022509  0.6083812  0.0037 0.9970492
educ         0.0354657  1.0848241  0.0327 0.9739297
hhsize       0.0604873  0.7526719  0.0804 0.9359729
inseason    -0.1815639  1.8212520 -0.0997 0.9206196
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

Figure 12: Hasil Setelah Robust (Persamaan 2)

```
Permintaan Apel Organik
================================================================================
                                                  Dependent variable:
                                            ------------------------------

                                                       ecolbs
--------------------------------------------------------------------------------
ecoprc                                                -2.8708***
                                                       (.5665)

regprc                                                 3.0076***
                                                       (.9067)

faminc                                                  .0023
                                                       (.0025)

educ                                                    .0355
                                                       (.0397)

hhsize                                                  .0605
                                                       (.0552)

inseason                                               -.1816
                                                       (.1679)

Constant                                                1.1768*
                                                       (.6324)
--------------------------------------------------------------------------------
Observations                                             660
R2                                                      0.0413
Adjusted R2                                             0.0325
Residual Std. Error                                  2.4844 (df = 653)
F Statistic                                        4.6892*** (df = 6; 653)
--------------------------------------------------------------------------------
Notes: Robust standar error dalam tanda kurung
*** signifikan pada tingkat 1 persen
** signifikan pada tingkat 5 persen
* signifikan pada tingkat 10 persen
================================================================================
Note:                                          *p<0.1; **p<0.05; ***p<0.01
```