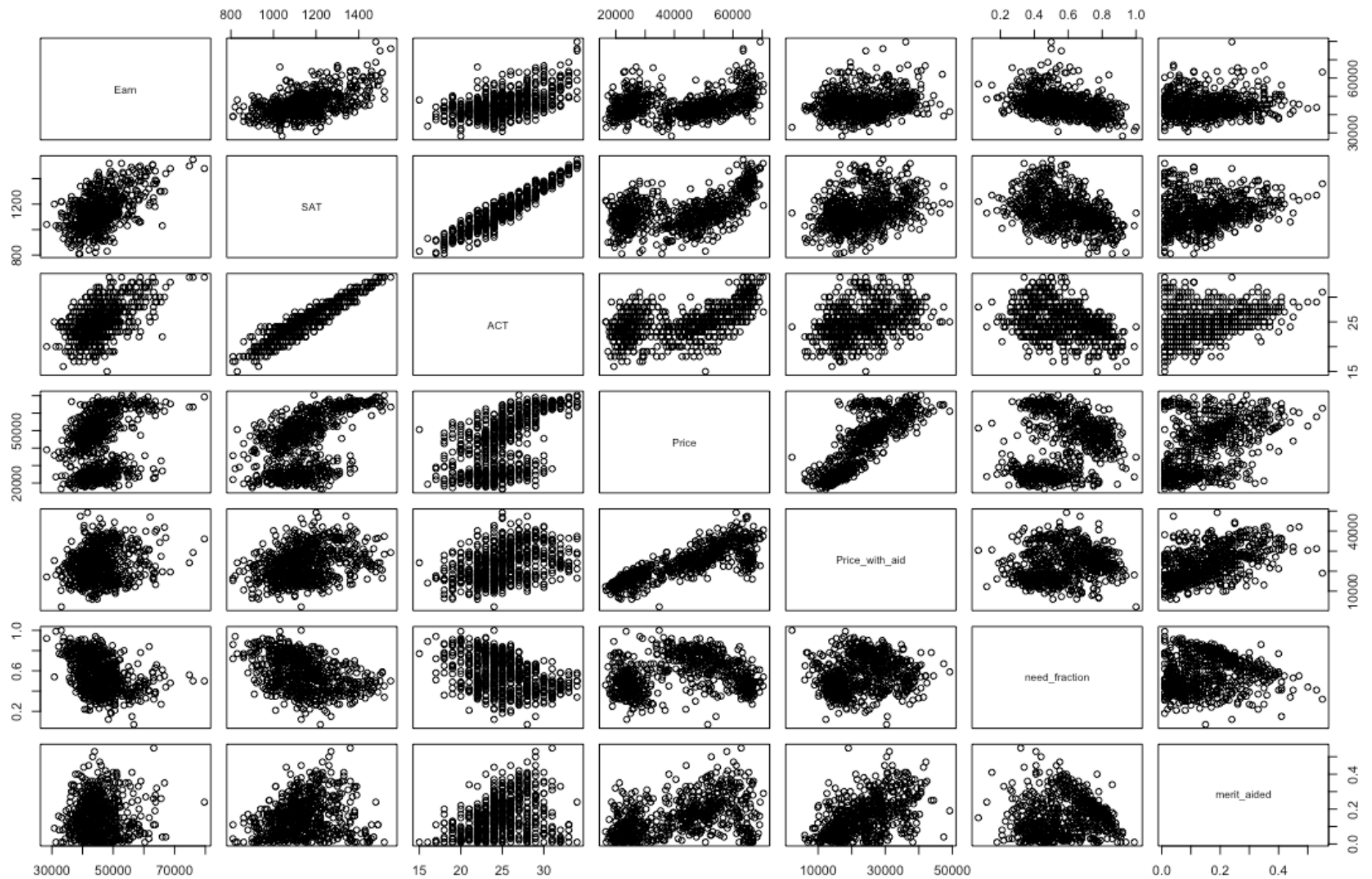


Hypothesis 2

First, I paired all the variables to find linear relationship between them.



I checked the original hypothesis: SAT price and merit_aided

Here is the Output:

Call:

lm(formula = SAT ~ Price + merit_aided)

Residuals:

Min	1Q	Median	3Q	Max
-330.43	-80.15	-3.39	77.16	305.51

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)
(Intercept)	9.858e+02	1.296e+01	76.063	<2e-16 ***
Price	3.443e-03	3.219e-04	10.699	<2e-16 ***
merit_aided	3.387e+01	4.647e+01	0.729	0.466

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

Residual standard error: 113.4 on 642 degrees of freedom

(61 observations deleted due to missingness)

Multiple R-squared: 0.1883, Adjusted R-squared: 0.1857

F-statistic: 74.44 on 2 and 642 DF, p-value: < 2.2e-16

Not a solid model