

```
> summary(lm(mpg ~ vehicle_length + vehicle_weight + spoiler_angle + ground_clearance + AWD,data=MechaCarData)) #determine p-value and r-squared value.
```

Call:

```
lm(formula = mpg ~ vehicle_length + vehicle_weight + spoiler_angle +  
    ground_clearance + AWD, data = MechaCarData)
```

Residuals:

Min	1Q	Median	3Q	Max
-19.4701	-4.4994	-0.0692	5.4433	18.5849

Coefficients:

	Estimate	Std. Error	t value	Pr(> t)	
(Intercept)	-1.040e+02	1.585e+01	-6.559	5.08e-08	***
vehicle_length	6.267e+00	6.553e-01	9.563	2.60e-12	***
vehicle_weight	1.245e-03	6.890e-04	1.807	0.0776	.
spoiler_angle	6.877e-02	6.653e-02	1.034	0.3069	
ground_clearance	3.546e+00	5.412e-01	6.551	5.21e-08	***
AWD	-3.411e+00	2.535e+00	-1.346	0.1852	

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

Residual standard error: 8.774 on 44 degrees of freedom

Multiple R-squared: 0.7149, Adjusted R-squared: 0.6825

F-statistic: 22.07 on 5 and 44 DF, p-value: 5.35e-11