```
Call:
lm(formula = health_level ~ exercise_hrs + sex + location + sleep,
    data = health_data)

Residuals:
    Min      1Q  Median      3Q     Max
-6.4731 -1.8977  0.1213  1.6702  7.4647

Coefficients:
               Estimate Std. Error t value Pr(>|t|)
(Intercept)     1.33111    1.04645   1.272   0.2054
exercise_hrs    1.17938    0.09624  12.255   <2e-16 ***
sex1            7.31575    0.47215  15.495   <2e-16 ***
locationnowhere 0.49759    0.68607   0.725   0.4695
locationrural  -1.17172    0.66250  -1.769   0.0791 .
locationurban  -0.71733    0.66939  -1.072   0.2857
sleep           0.17054    0.09849   1.731   0.0855 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1 ‘ ’ 1

Residual standard error: 2.779 on 143 degrees of freedom
Multiple R-squared:  0.7475,    Adjusted R-squared:  0.7369
F-statistic: 70.56 on 6 and 143 DF,  p-value: < 2.2e-16
```

MODEL INFO:

Observations: 150
Dependent Variable: health_level
Type: OLS linear regression

MODEL FIT:

$F(6,143) = 70.56$, $p = 0.00$
$R^2 = 0.75$
Adj. $R^2 = 0.74$

Standard errors: OLS

	Est.	S.E.	t val.	p
(Intercept)	1.33	1.05	1.27	0.21
exercise_hrs	1.18	0.10	12.25	0.00
sex1	7.32	0.47	15.49	0.00
locationnowhere	0.50	0.69	0.73	0.47
locationrural	-1.17	0.66	-1.77	0.08
locationurban	-0.72	0.67	-1.07	0.29
sleep	0.17	0.10	1.73	0.09

Same model, different function to print the results
Do you have a preference for which one you like better?

```
Call:
lm(formula = health_level ~ exercise_hrs + sex + location + sleep,
    data = health_data)

Residuals:
    Min      1Q  Median      3Q     Max
-6.4731 -1.8977  0.1213  1.6702  7.4647

Coefficients:
               Estimate Std. Error t value Pr(>|t|)
(Intercept)     1.33111    1.04645   1.272   0.2054
exercise_hrs    1.17938    0.09624  12.255   <2e-16 ***
sex1            7.31575    0.47215  15.495   <2e-16 ***
locationnowhere 0.49759    0.68607   0.725   0.4695
locationrural  -1.17172    0.66250  -1.769   0.0791 .
locationurban  -0.71733    0.66939  -1.072   0.2857
sleep           0.17054    0.09849   1.731   0.0855 .
---
Signif. codes:  0 ‘***’ 0.001 ‘**’ 0.01 ‘*’ 0.05 ‘.’ 0.1

Residual standard error: 2.779 on 143 degrees of freedom
Multiple R-squared:  0.7475,    Adjusted R-squared:  0.7369
F-statistic: 70.56 on 6 and 143 DF,  p-value: < 2.2e-16
```

What kind of model is this?

Also, interpret each coefficient, the R^2, & the intercept

Outcome = general health level
Independent Variable = exercise_hrs
Sex == 1 is female
Reference group of location is “everywhere”
Both sleep and exercise_hrs are continuous