1. **Problem**
   Consider the following regression results:

```
Call:
lm(formula = y ~ x, data = d)

Residuals:
     Min       1Q   Median       3Q      Max
-2.14867 -0.82868 -0.07472  0.66596  2.54119

Coefficients:
             Estimate Std. Error t value Pr(>|t|)
(Intercept) 0.0001676  0.1254992   0.001    0.999
x           1.2492437  0.1241613  10.061 2.04e-14 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 0.9786 on 59 degrees of freedom
Multiple R-squared:  0.6318,    Adjusted R-squared:  0.6255
F-statistic: 101.2 on 1 and 59 DF,  p-value: 2.043e-14
```

   Describe how the response `y` depends on the regressor `x`.

   Solution
   The presented results describe a linear regression.

   The mean of the response `y` increases with increasing `x`.

   If `x` increases by 1 unit then a change of `y` by about 1.25 units can be expected.

   Also, the effect of `x` is significant at the 5 percent level.