```
rm(list=ls()); gc(); gc(); #<1>
if (!require("pacman")) install.packages("pacman") #<2>
pacman::p_load(tidyverse, magrittr,estimatr,car,modelsummary,ggrepel,patchwork) #<3>
```

 $\begin{array}{cc} \textcircled{1} & & r \end{array}$

pacman

3

1.

$$Y=\beta_0+\beta_1X_1+\ldots+\beta_dX_d+\epsilon$$
 OLS
$$\beta \ \hat{\beta} \ \beta \ XY \ \hat{\beta} \ \beta$$
 β

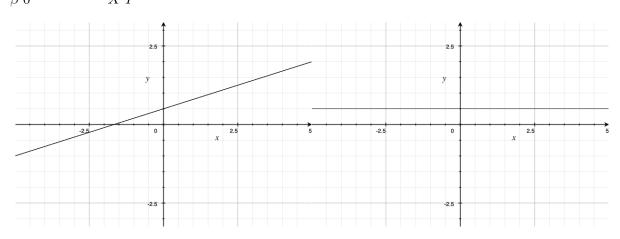


Figure 0.1: Y X

Figure 0.2: Y X

1/2

1