



$y$ 

$$\hat{y} = \hat{\beta}_0 + \hat{\beta}_1 \cdot x$$

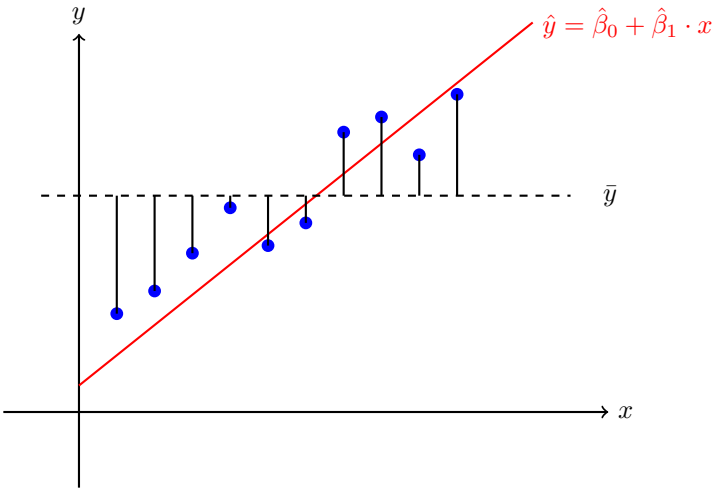
 $\bar{y}$  $x$ 

Figure 1: An illustration of Total Sum of Squares (SST). The blue points represent height measurements over time, the dashed line is the mean height  $\bar{y}$ , and the solid black vertical lines represent the squared deviations from the mean (SST components).