

The function `rss` below is meant to mirror the formula for RSS for a simple linear regression model.

$$\text{RSS}(b_0, b_1) = \sum_{i=1}^n (y_i - (b_0 + b_1 x_i))^2$$

`coef[1]` and `coef[2]` represent  $b_0$  and  $b_1$ , respectively and refer to the first two elements of a vector called `coef` which is the argument of the function.

- Write in your final values in each case in the spaces given. Comment on whether they match the results you got from your linear model object in the problem set.

Starting $b_0$	Starting $b_1$	Final $b_0$	Final $b_1$
0	0		
Eyeballed <i>intercept</i> : _____	Eyeballed <i>slope</i> : _____		

- $$\text{RSABS}(b_0, b_1) = \sum_{i=1}^n |y_i - (b_0 + b_1 x_i)|$$

```
rsabs <- function(coef) {  
  
  
  
  
  
  
}
```

- | Starting $b_0$                     | Starting $b_1$                 | Final $b_0$ | Final $b_1$ |
|------------------------------------|--------------------------------|-------------|-------------|
| 0                                  | 0                              |             |             |
| Eyeballed <i>intercept</i> : _____ | Eyeballed <i>slope</i> : _____ |             |             |