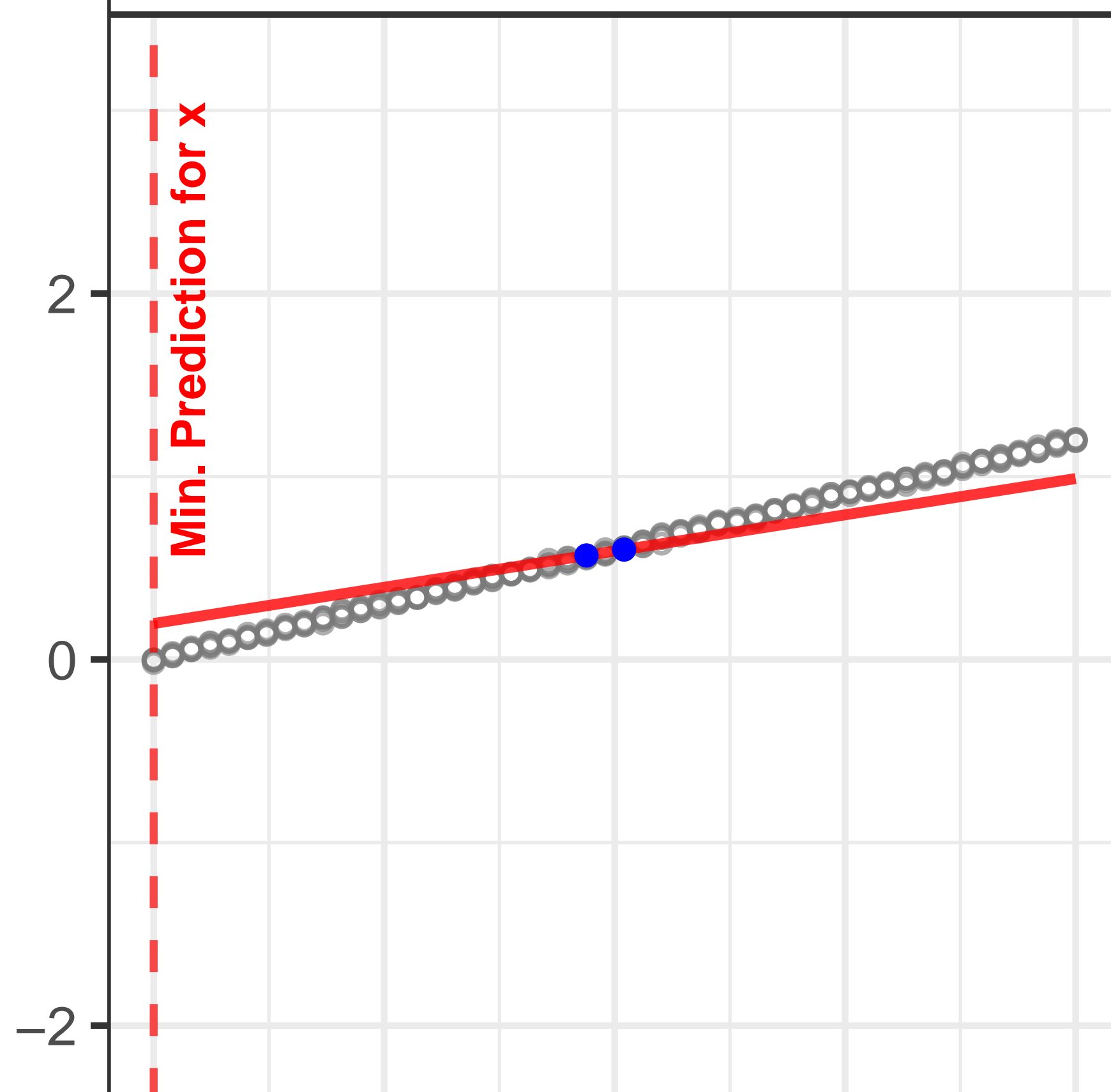
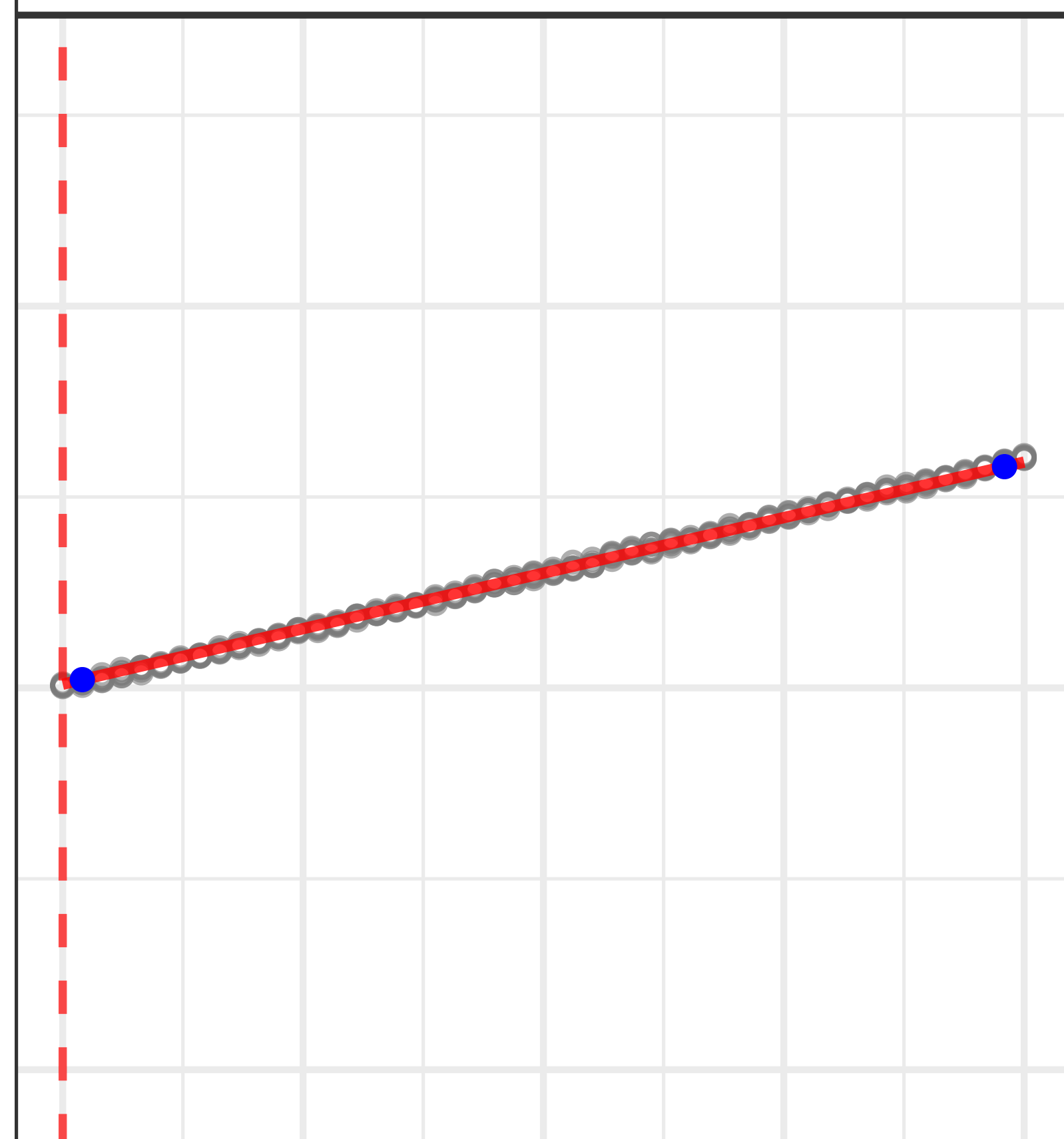


### Picking Close Points

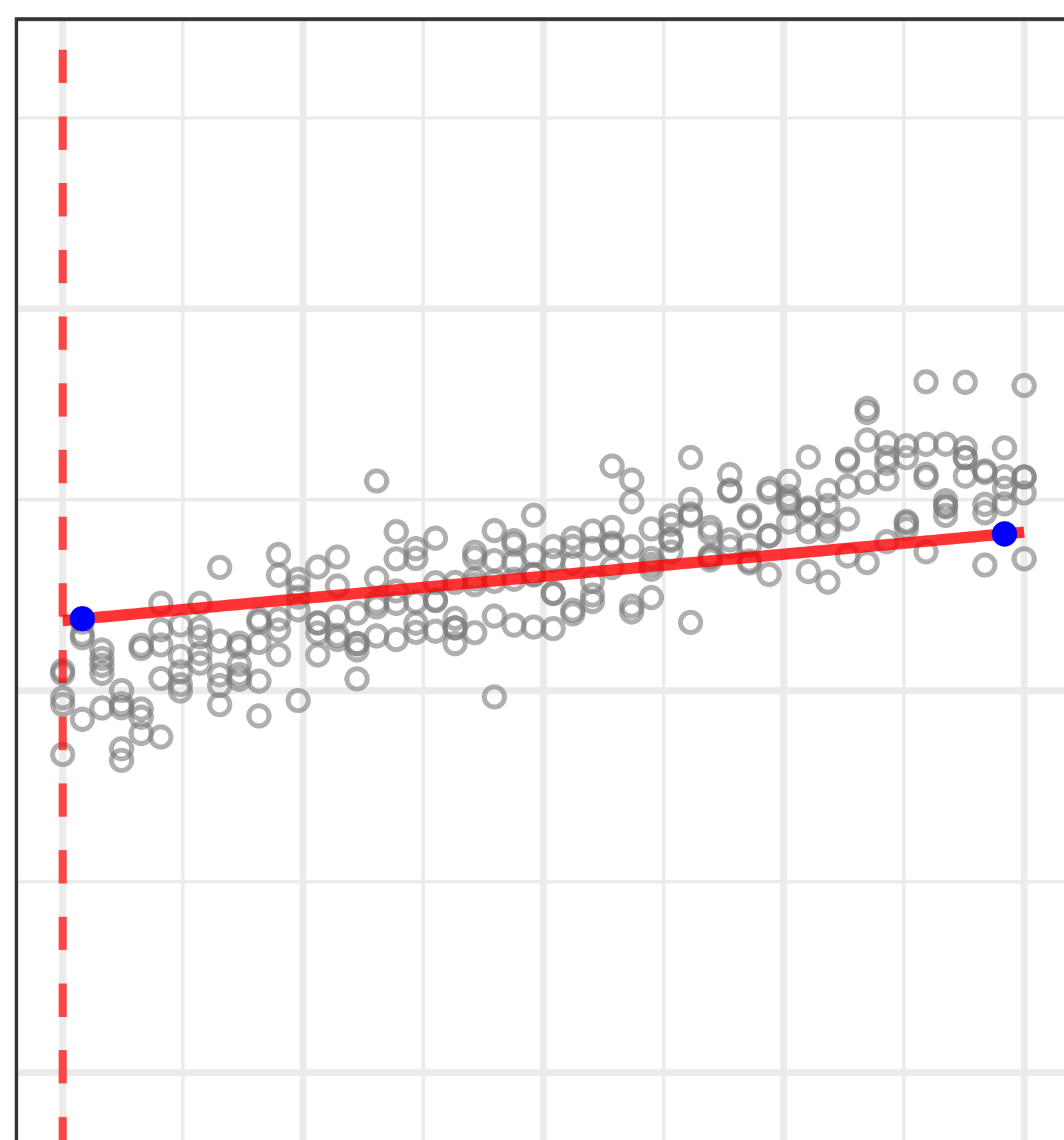
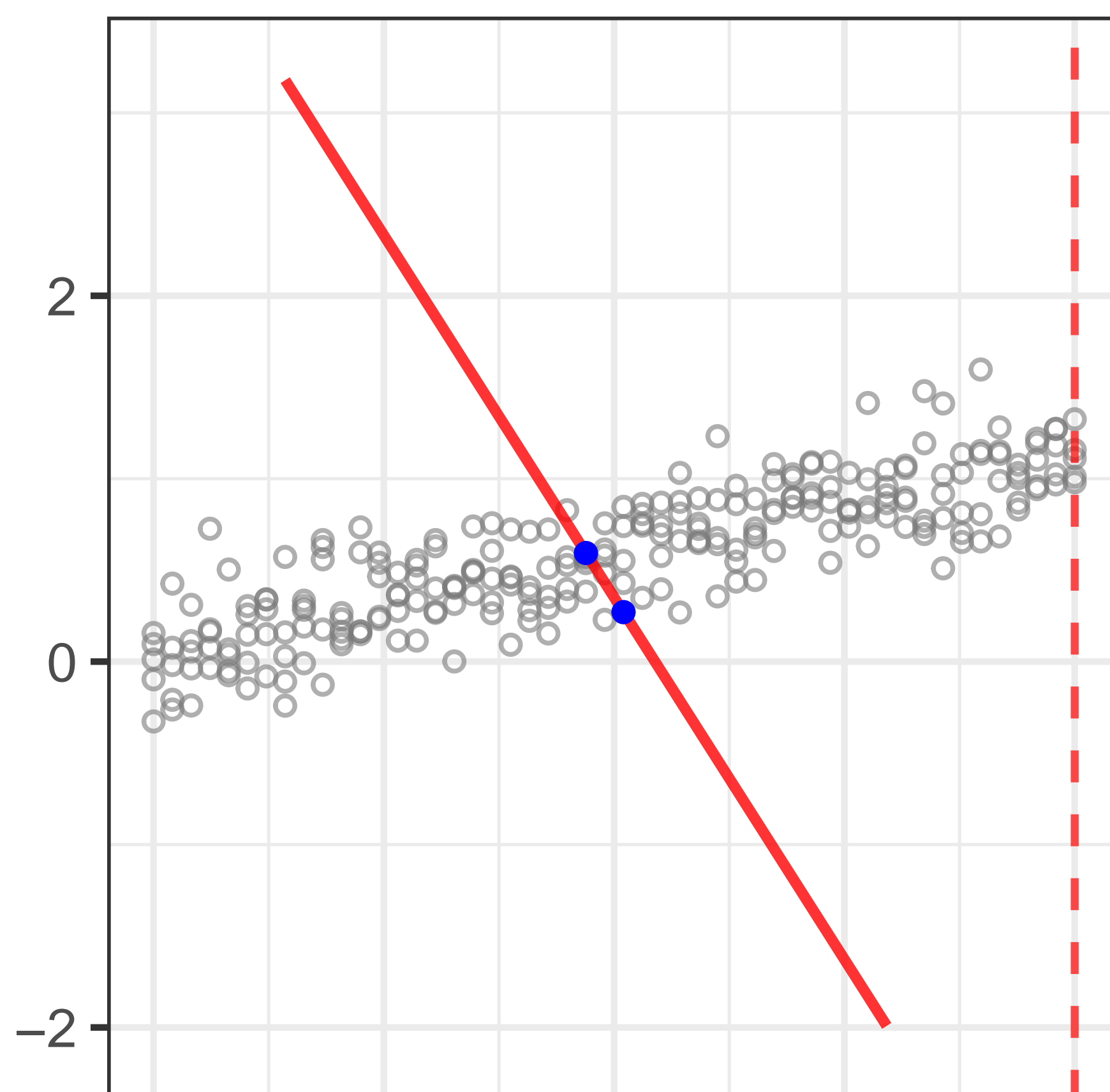


### Picking Distant Points

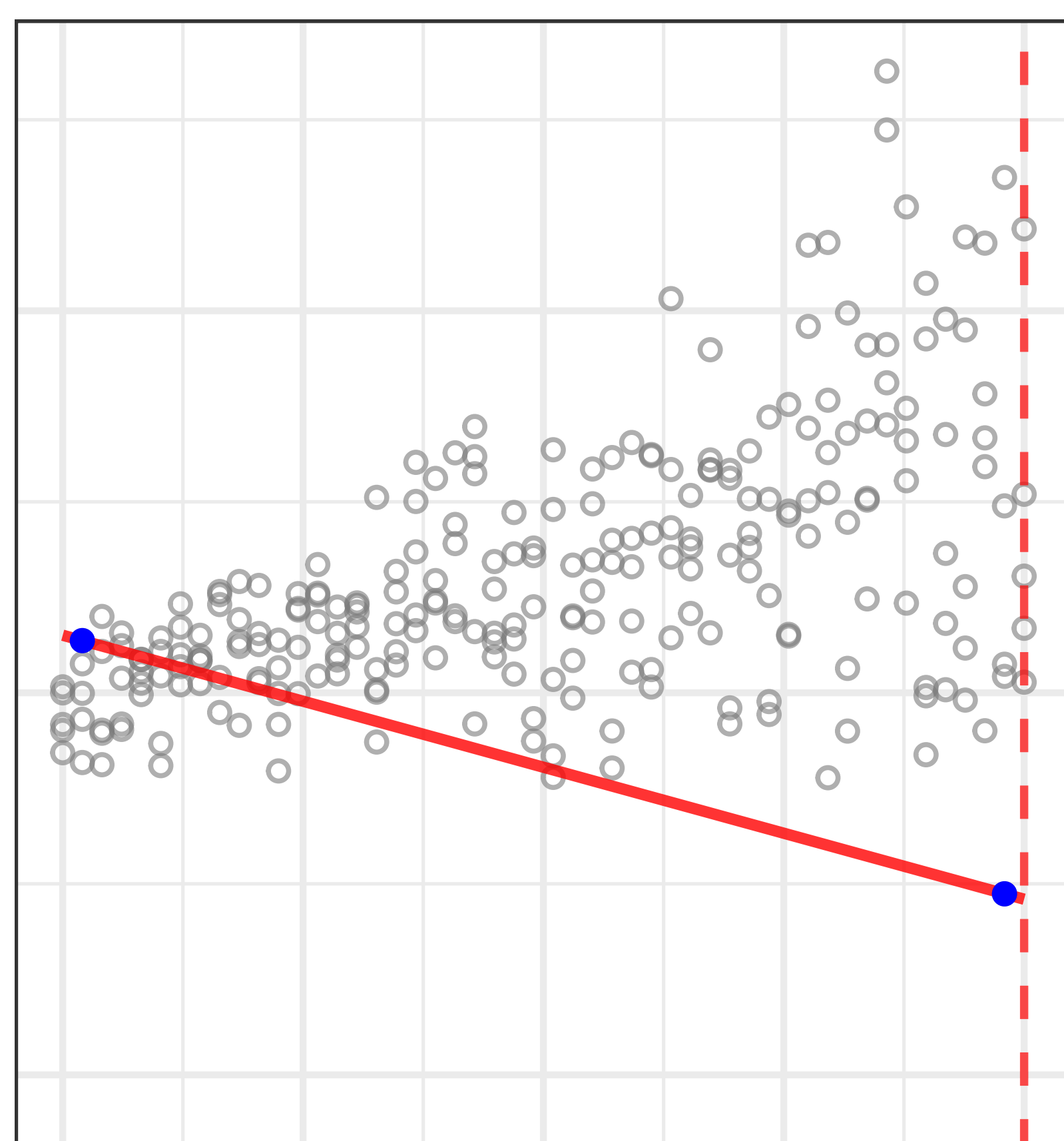
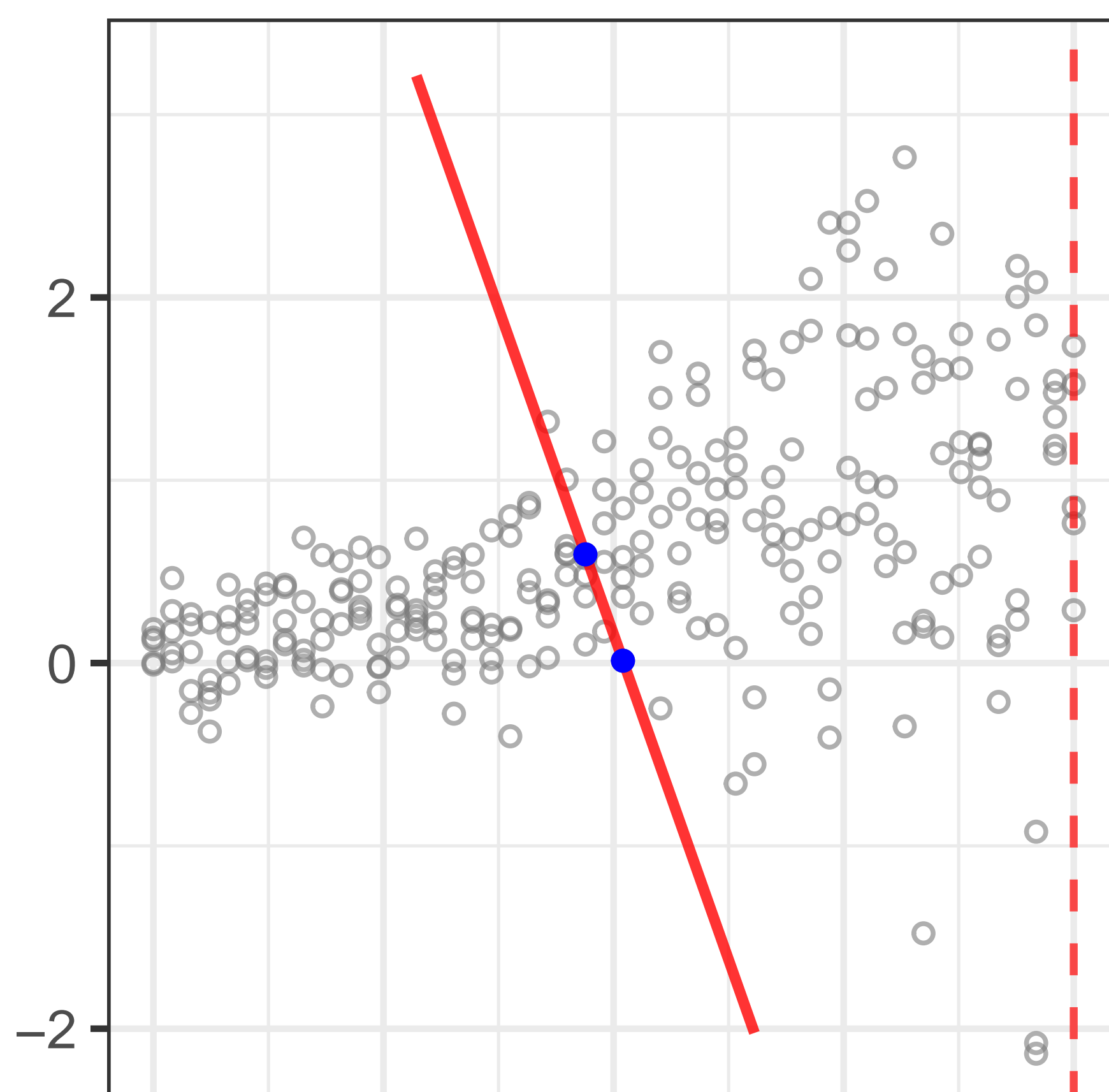


Smaller  $\varepsilon$

$f(\mathbf{x}) + \varepsilon$



Larger  $\varepsilon$



Heteroscedastic

$\mathbf{x}$