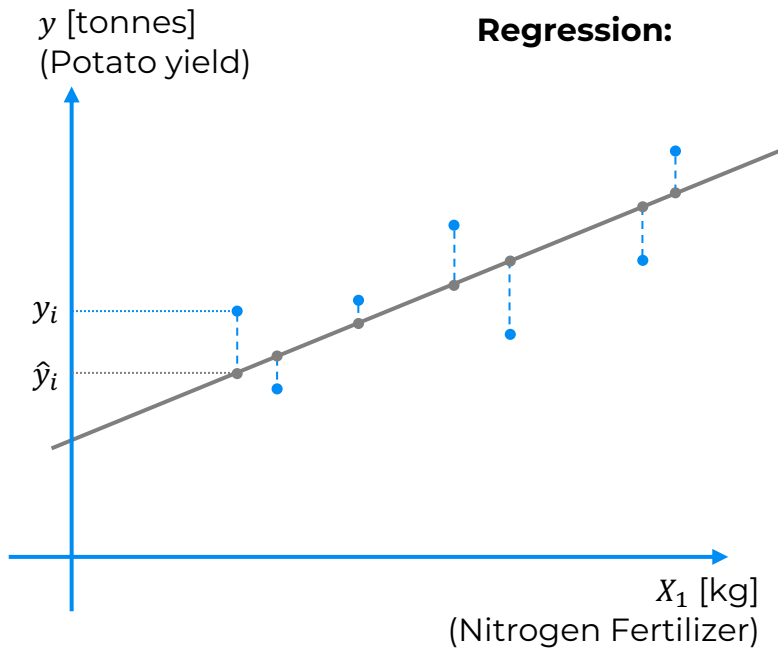
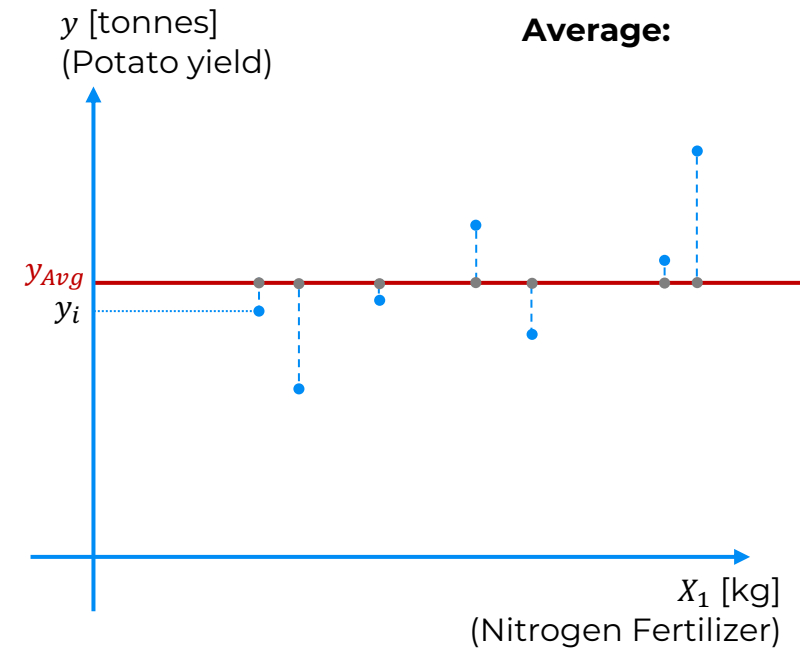


R Squared



$$SS_{res} = \text{SUM}(y_i - \hat{y}_i)^2$$



$$SS_{tot} = \text{SUM}(y_i - y_{avg})^2$$

$$R^2 = 1 - \frac{SS_{res}}{SS_{tot}}$$

Rule of thumb (for our tutorials)*:

- 1.0 = Perfect fit (suspicious)
- ~0.9 = Very good
- <0.7 = Not great
- <0.4 = Terrible
- <0 = Model makes no sense for this data

**This is highly dependent on the context*

