5. Gradient Based Approach

Learning Algorithm: Gradient Based Approach

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True or False

0 points possible (ungraded)
Let $R_n(\theta)$ be the least squares criterion defined by

$$R_n(\theta) = \frac{1}{n}\sum_{t=1}^{n} \text{Loss}\left(y^{(t)} - \theta \cdot x^{(t)}\right).$$

Which of the following is true? Choose all those apply.

- [x] The least squares criterion $R_n(\theta)$ is a sum of functions, one per data point.
- [ ] Each step in stochastic gradient descent requires more computational resources (counting floating point operations) than a step in gradient descent.

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