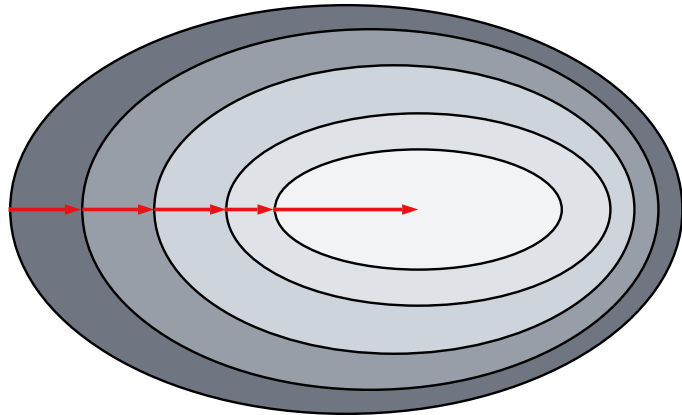
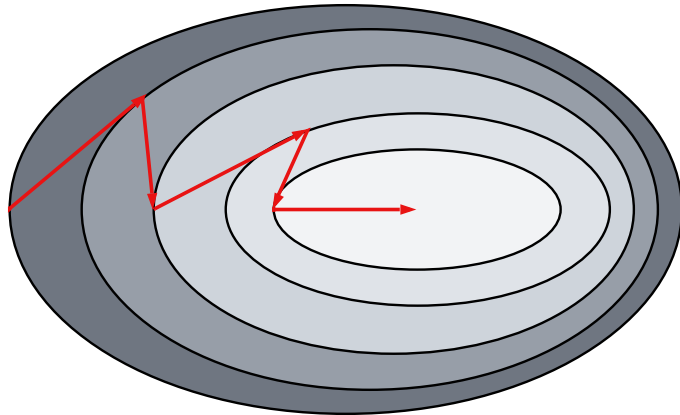


**batch gradient descent**



**stochastic gradient descent**



**mini-batch gradient descent**

