Statistics and Machine Learning

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Statistics is a fully developed scientific discipline, which provides methodologies for making conclusions from data. The ideas on extracting information from data in Statistics have existed long before computers were invented. With the vast increase in computing power and availability of large amounts of data, scientists are now able to train computers to extract information from these data efficiently.

Machine Learning is a field which utilizes concepts from Statistics and algorithms from optimization to train computers efficiently using data. In this talk, we will discuss the relationships between Statistics and Machine Learning.

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