

The Past, Present, and Future of Machine Learning APIs

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In the past years, Machine Learning has been getting attention as a necessary tool for doing something useful with the ever-growing volume of data. This misleads some to believe that Machine Learning is new, but the truth is that the core algorithms and concepts have been around for a long time. What is new though is the confluence of Machine Learning and Cloud Computing, which for the first time in history is making learning from large datasets possible thru the use of programmable APIs. Since 2011, BigML has worked to implement this vision of a programmable web powered by a seamless Machine Learning layer in the cloud which will enable future smart apps to adapt themselves to a changing context in real-time as new information arrives. In this presentation we will trace the history of Machine Learning from it's origins to the present and discuss the future evolution that must occur in terms of simplicity, programmability, importability/exportability, composability, specialization and standardization in order for it to make an impact in the "real world" and make this vision come alive.