

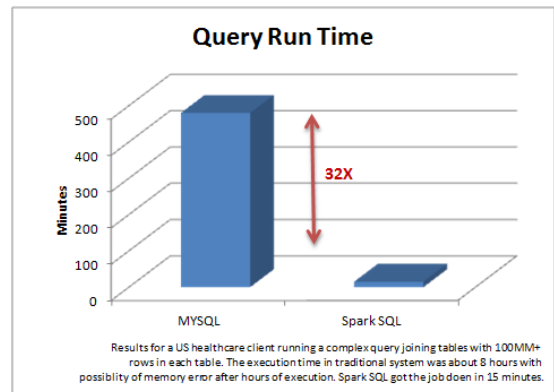
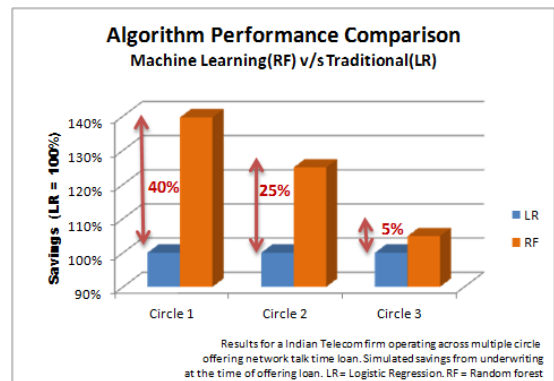
MathLogic sets up COE for Machine Learning and Spark

MathLogic has set up COE for Machine Learning/ Spark to help clients adopt the latest in Data Science & Technology. Use of Machine Learning and Deep Learning models can lead to 20-40% performance improvement over traditional modeling paradigms in a variety of use cases. Use of these techniques was earlier difficult as huge computational resources were required as well as lack of knowledge regarding leveraging these techniques. The advancement of cheaper cloud computing resources and open source tools like Spark have make it easier for companies to adopt these techniques. MathLogic would work with its clients in their journey of becoming smarter and adopting the latest Data Science has to offer.

In our quest for making the latest in Data Science available to our customers, we have been experimenting with a host of tools and techniques and their applicability towards solving common business problems using data. In this journey two things caught our attention.

1. Use of Machine Learning techniques likes SVM, RF, GBM, ANN to improve accuracy and coverage of current alogorithms used by companies. In various use cases form financial services, telecom and healthcare we have seen improvements of 20-40% in algorithm predictive power.

2. Use of open source tool for analysis on distributed data. This has lead to dramatic improvment in execution time (10X - 100X). It is making computations which were too big to perform possible in minutes without the cost of heavy duty software or enterprise grade hardware. Machine Learning techniques have been available for several years. Howwver, training model on these techniques remained difficult due to huge computational resources required. It has all changed in the last couple of years with emergence of cheaper cloud computing resources and distributed open source tools like Spark.



Having spent a lot of time on the emerging technologies we strongly felt that the way to move forward is to use Spark for training Machine Learning Algorithms where available. This has resulted in MathLogic dedicating most its resources towards Machine Learning Algorithms and Spark in the last 12 months. Having spent enough time on the effort we saw it fit to announce formation of Center of Excellence (COE) for Machine Learning and Spark on the auspicious occasion of Diwali. Manu Chandra, co founder MathLogic, is personally leading our COE for ML & Spark. The COE - ML & Spark would offer our client support for developing machine learning algorithms, setting up analytical environment for using Spark as big data tool, converting existin