CLOUDERA FAST FORWARD LABS

Applied machine learning advising & research

Cloudera Fast Forward Labs

STRATEGIC ENGAGMENTS

_ Onsite workshops

_ Use-case identification

_ Design recommendations including team structures, process and technology

_ Strategy & tactical roadmap

ADVISING & RESEARCH

_ Remote applied machine learning advising (4 hours/month)

_ Access to quarterly research reports including working prototypes

_ Weekly newsletters covering recent technology developments

PROTOTYPE DEVELOPMENT

_ Collaborative development

_ Delivery of working prototype in client environment including code & documentation

_ Optional ongoing support

Machine learning holds the promise of automating decision-making, transforming industries and creating new markets. Yet adoption remains limited by uncertainty related to a rapidly changing technical landscape, obscurity of best practices, and difficulty separating hype from reality. Without focus on strategy and practical business problems, it's all too easy to embark on expensive "AI" science projects that consume time and resources, but fail to deliver results.

Meet your "data nerd best friends"

Cloudera Fast Forward Labs is an advising and research service that applies emerging machine learning techniques to practical business problems. The team's mission is to fast track knowledge transfer from R&D to industry, bringing technical innovations to industry applications.

Strategic Engagements

Strategic engagements help clients develop and execute a data strategy including people, process and technology recommendations to take full advantage of business opportunities enabled by emerging machine learning capabilities. Delivered in a series of client meetings including onsite workshops, strategic engagements are ideal for clients who want to build a long-term vision for the effective use of data to drive efficiencies, competitive differentiation and growth.

Advising & Research

Cloudera Fast Forward Labs researches emerging technology capabilities and selectively validates them through software prototypes on real-world data, generating research reports as guides to technical understanding and practical application in any industry.

Research reports and prototypes cover technologies likely to be impactful within the next six months to two years. Paired with monthly applied machine learning advising services, Cloudera Fast Forward Labs reports and prototypes are designed to help you take full advantage of emerging capabilities. Recently profiled machine learning topics and prototypes include:

_ **Multi-task Learning** - Allowing machine learning algorithms to master tasks in parallel

_ **Interpretability** – Understanding why and how a black box algorithm makes a decision

_ **Probabilistic Programming** – Quantifying uncertainty to make predictions about the future

_ **Summarization** – Making unstructured text computable to automatically summarize documents

_ **Probabilistic Methods for Realtime Streams** – Highly efficient models for extracting value from streams of data as they are generated.

_ **Deep Learning: Image Analysis** – Identifying objects within images

_ **Natural Language Generation** – Turning highly structured data into human language narrative

Cloudera Fast Forward Labs can also partner with clients to assess feasibility and deliver working prototypes for new data products that make use of advanced machine learning techniques or unique data opportunities. Clients receive prototypes in their own environment including code and extensive documentation along with ongoing support.

Accelerate your machine learning strategy

Companies that effectively apply machine learning can drive efficiencies through automation and put data at the center of product strategy, creating new business opportunities and uncapped growth. Accelerate your machine learning strategy and time to results with Cloudera Fast Forward Labs.

Learn more at: www.cloudera.com/more/services-and-support/fast-forward-labs.html

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