Democratizing Al with Databricks

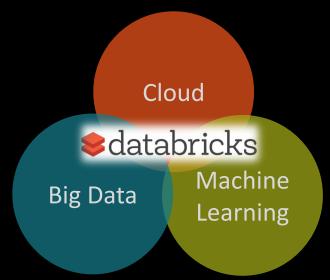
Ali Ghodsi, Co-Founder & CEO



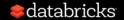
Democratizing AI with Databricks

Databricks original three bets

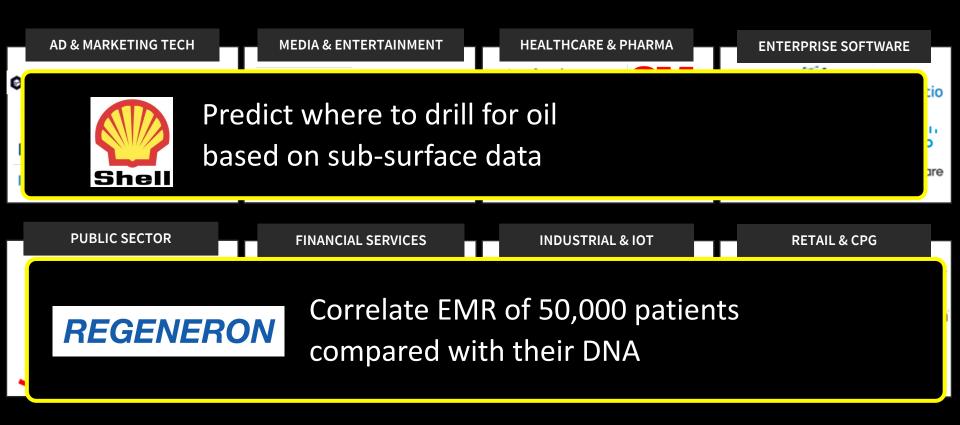
- Cloud computing
- Big data
- Machine learning and Artificial Intelligence



The combination of these has enabled entire new sets of use cases across many industries



500+ customers across industries



Democratizing AI with Databricks

Cloud computing

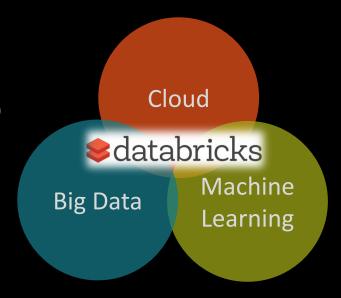
• Gartner believes this market to be \$200b in 2020

Big data

• 90% of the data created in last 2 years

Machine learning and Artificial Intelligence

Just scratched the surface of the use-cases



Likely to be a juggernaut in the analytics space, we believe it will be Databricks

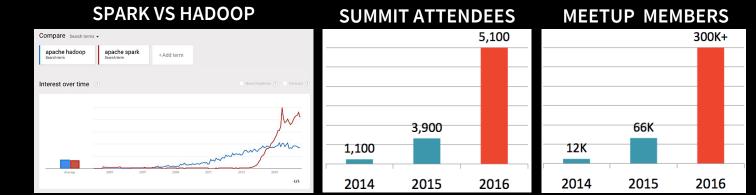




Virtually every company doing AI on massive data does it with Spark

We built Spark enable the unification of

- Processing of large amounts of unstructured data (ELT)
- Make predictions on that data using machine learning (ML)
- Get insights in real-time continuously (streaming)

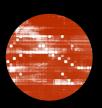


Artificial Intelligence

Artificial Intelligence Applications



PREDICTIONS



CLUSTERING



ANOMALIES

ALGAP

DATA WAREHOUSES















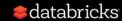








Big Data



Hardest part of Al isn't Al

"Hidden Technical Debt in Machine Learning Systems", Google NIPS 2015

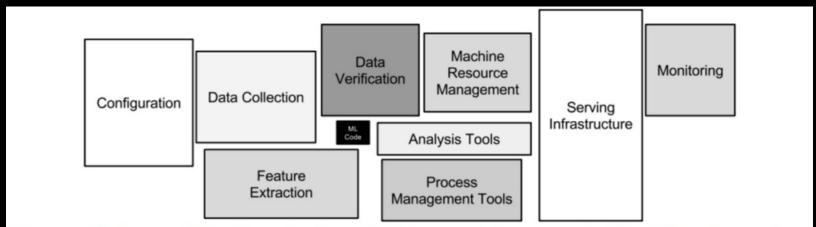


Figure 1: Only a small fraction of real-world ML systems is composed of the ML code, as shown by the small black box in the middle. The required surrounding infrastructure is vast and complex.

The hardest part of AI is Big Data

Big Data was the Missing Link for Al

BIG DATA

GREAT RESULTS



Customer Data

Emails/Web pages

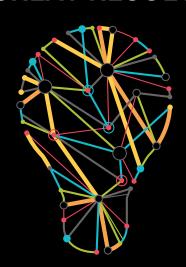
Click Streams

Sensor data (IoT)

Video/Speech

. . .





But few companies are successful with AI



Why is there a gap?

Difficult to manage & 2
secure data infrastructure

Hard for teams to share and ask questions from the data

Hard to put analytics into production

Databricks Platform



Databricks Platform

- Difficult to create, manage, and secure Spark infrastructure
- Not easy for teams to query the data, collaborate, and share the results
- Hard to put analytics into production

Databricks Serverless Spark Platform

- Auto-tuning Spark with reliability and availability
- 10-40x speedup vs Apache Spark, custom data connectors
- full governance, SOC2 & HIPAA compliance





Databricks Platform

- Difficult to create, manage, and secure Spark infrastructure
- Not easy for teams to query the data, collaborate, and share the results
- Hard to put analytics into production

Databricks Collaborative Workspace

- Notebooks Interactive exploration for for ETL, AI, Real-time applications
- Dashboards interactive real-time dashboards to democratize access to Spark
- Reports Ability to produce periodic reports with predictive insights

Databricks Serverless Spark Platform

- Auto-tuning Spark with reliability and availability
- 10-40x speedup vs Apache Spark, custom data connectors
- full governance, SOC2 & HIPAA compliance





Databricks Strategy



Making Big Data Simple with the Cloud

Databricks Data Science Workspace

Software as a Service (SaaS)



Databricks Serverless Spark Platform

Platform as a Service (PaaS)





Infrastructure as a Service on demand

Simple, low-cost, scale-out, pay-as-you-go



Databricks: cloud-agnostic killer app

Databricks Data Science Workspace

Software as a Service (SaaS)



Databricks Serverless Spark Platform

• Platform as a Service (PaaS)









On-prem market for Spark

- Huge demand for Databricks platform on-prem
 - Hadoop vendors commoditized storage through data lakes
 - Most on-prem enterprises struggling with Spark
 - Big void due to Databricks keeping enterprise value out of Spark

We plan to bring Databricks to wherever there is data



Databricks: unified analytics platform

Databricks Data Science Workspace

• Software as a Service (SaaS)



Databricks Serverless Spark Platform

Platform as a Service (PaaS)













Unified Analytics Platform on-top of cloud and on-prem storage

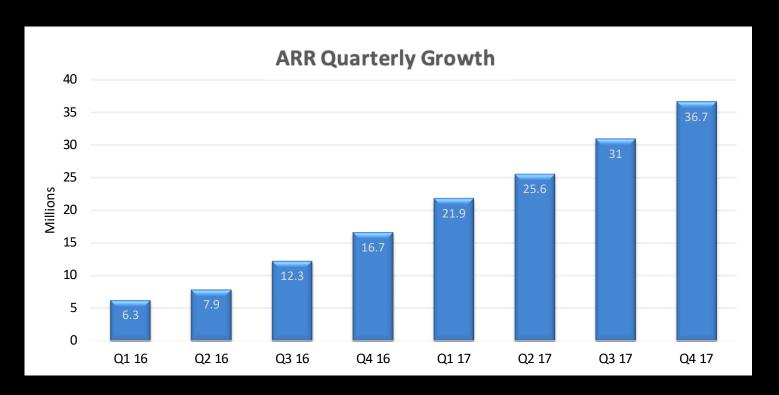
Databricks Finance

databricks

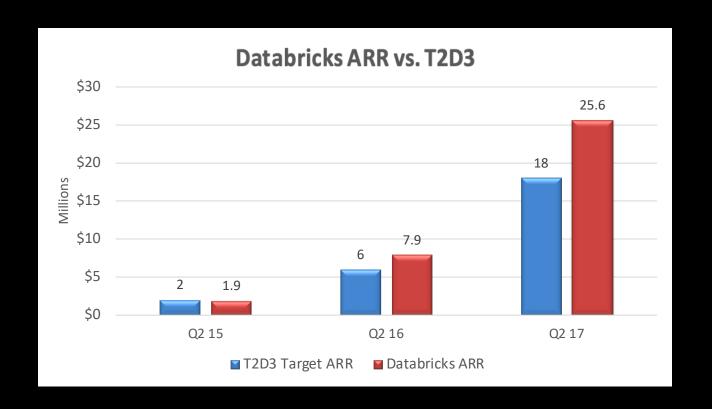
Great Metrics All Around



Incredible ARR Growth (5x growth for Q1 17 vs. Q1 16)



Databricks vs. T2D3 (triple, triple, double, double, double)





The Team



Ali Ghodsi, CEO and co-founder

MBA, PhD, Adjunct Professor UC Berkeley, co-founder Peerialism



Ron Gabrisko, Chief Revenue Officer

VP Sales at Cyclone pre-revenue to acquisition by Axway to IPO, Stanford M.B.A. & M.S.



Rick Schultz, Chief Marketing Officer

• SVP marketing Alteryx pre-revenue to IPO, Oracle VP Product Marketing, UC Berkeley B.S.



John Winkenbach, SVP of Finance

CFO at Jobvite, VP finance Technorati



Hatim Shafique, Chief Customer Officer

CCO & CIO at AppDynamics pre-revenue to IPO



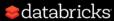
Patrick Wendell, VP of Engineering and co-founder

• UC Berkeley M.Sc., Princeton B.S.



Michael Hoff, SVP of BD and Partnerships

VP of Channels at Tableau, Global VP of Sales EMC, GM Windows Azure MSFT

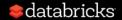


Try Apache Spark with Databricks

Try latest version of Apache Spark and preview of Spark 2.2

http://databricks.com/try





Thank You