

Importance of effective Big Data strategy







Better customer service



Personalized marketing campaigns



Competitive advantage



Increased profitability

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Data explosion + digital transformation = many challenges



- Storage
- Transmission
- Access and sharing



- Analysis
- Privacy
- Compression



- Using and managing
- Using others' data
- Management support

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Data infrastructure for the enterprise

- Can we do more?
- Process more data, faster and cheaper?
- Deploy more machine learning (ML) models in production?
- Do more in real-time?



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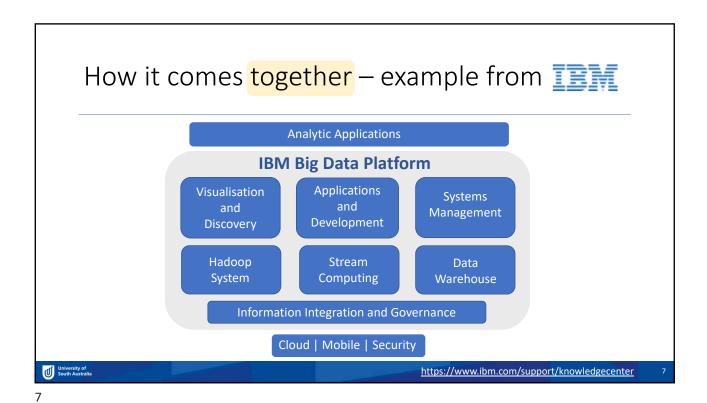
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Analytics & Al for the enterprise

- Data Science and Machine Learning (DSML) platforms for deployment
- Expanding offering more constituencies and more use cases
- Advances in Natural Language Processing (NLP)
- Variety of players large cloud providers (e.g Google), nonprofits (Open AI) and startups



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Etsy

Clickstream data In-house Hadoop framework Open-source ML framework



Cognitive computing Natural Language Processing Deep learning Apache Hadoop

amazon.com

Recommendation engine Oracle on Linux Collaborative filtering Metadata



Recommendation engine Apache Hadoop and Spark AWS Cloud Content filtering



JOHN DEERE

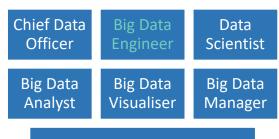
Crowdsourcing Machine sensors Weather and financial data SAP HANA

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Big Data job opportunities

 Companies are and will continue to look for skilled people who can tap into Big Data's promise of competitive advantage.





Big Data Solutions Architect

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