



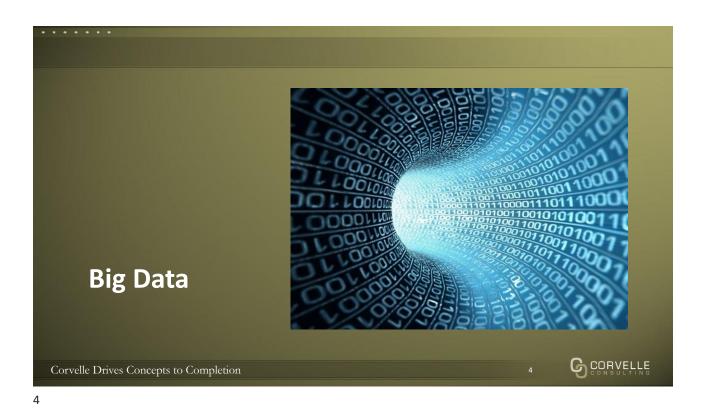
## Learning Objectives

- Understand big data
- Differentiate key data analytics terminology

Corvelle Drives Concepts to Completion

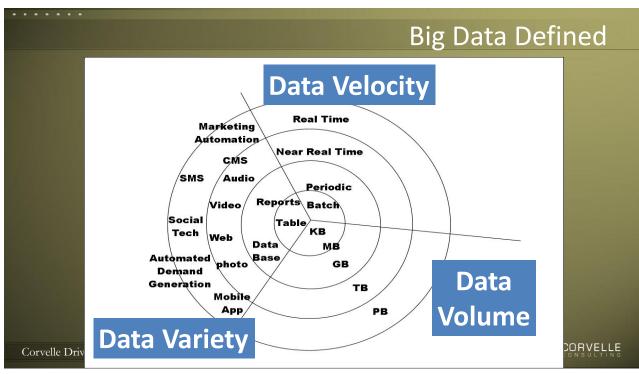
- Recognize data architecture alternatives for data analytics
- Understand data-driven path to value concept





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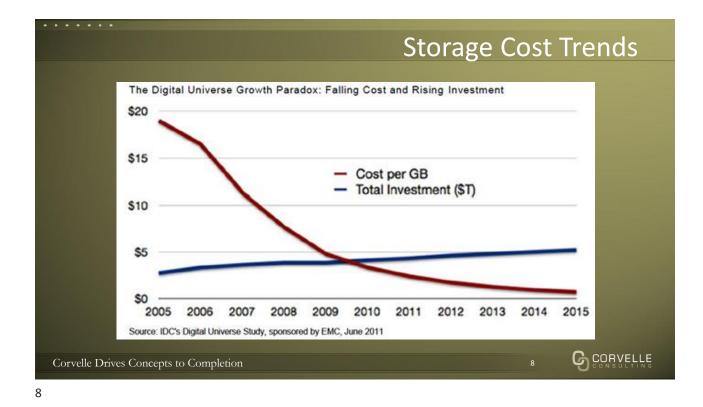




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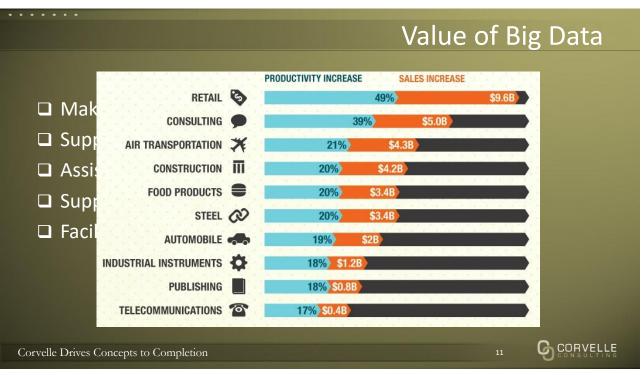


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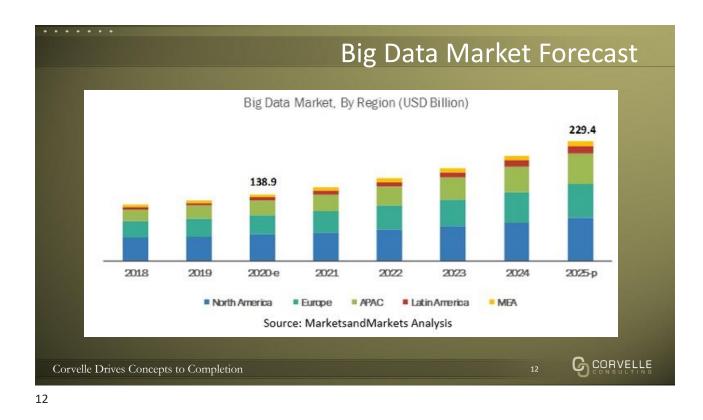






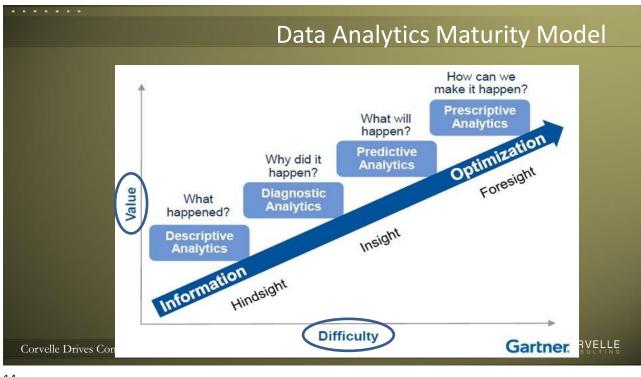


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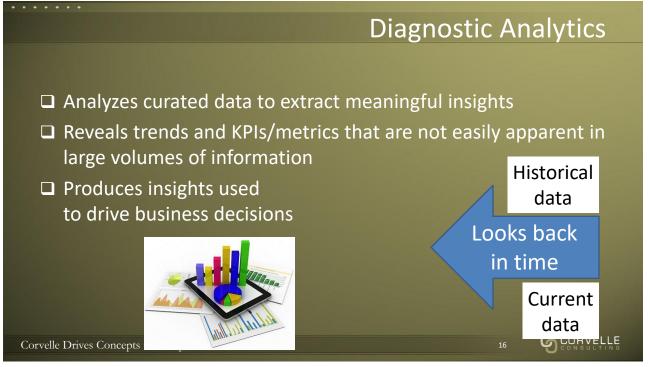


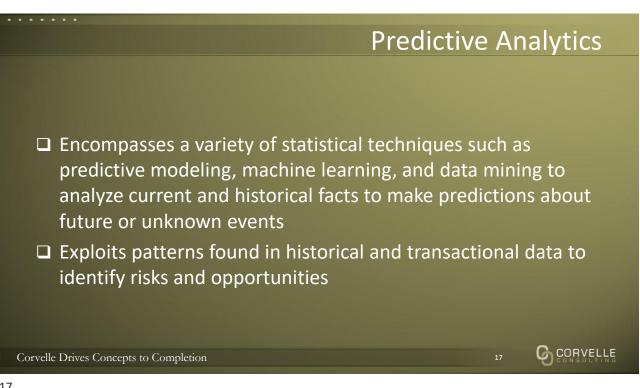


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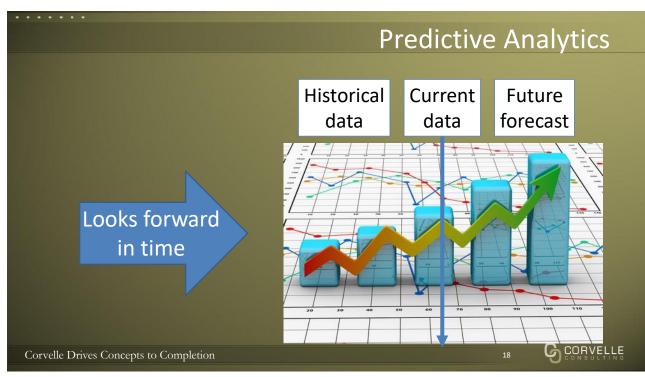


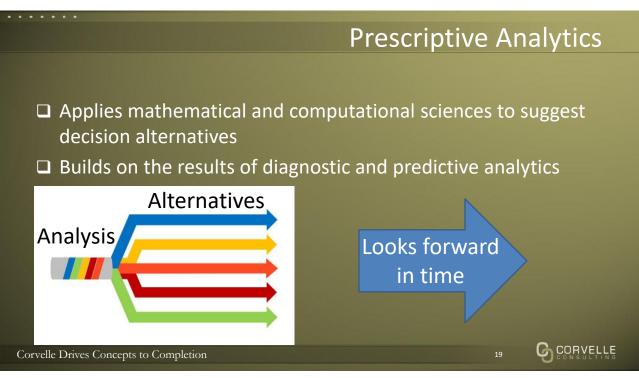






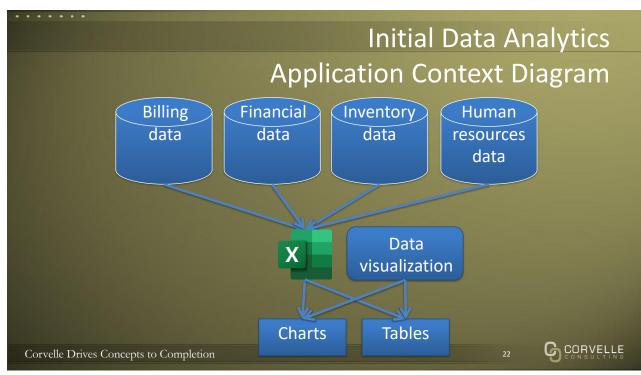




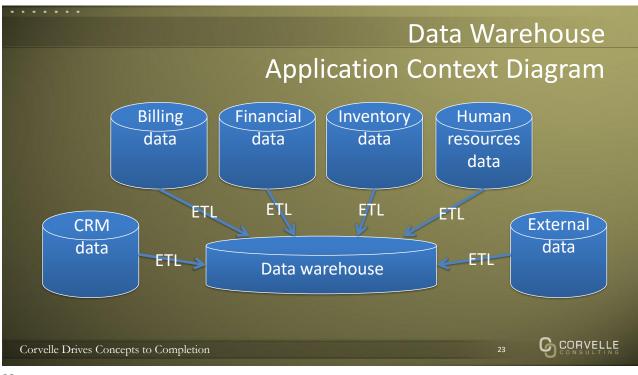




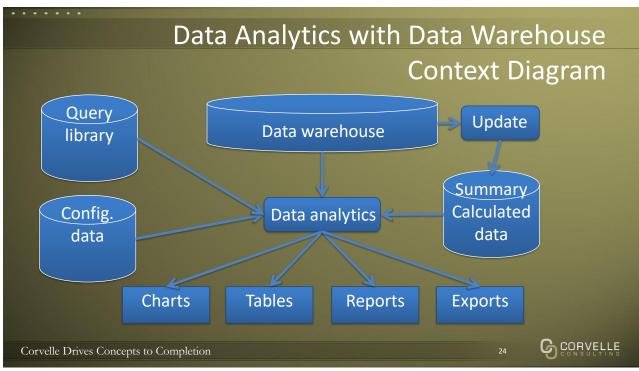
## Data Lake vs. Data Warehouse vs. Operational Datastore Operational datastore or database Data warehouse Contains transactional data for one system Contains selected data from multiple source - Contains limited recent historical data Contains selected range of historical data Designs data structure/schema to meet transaction processing requirements Integrates data across source databases Used by functional staff Converts original data to harmonize values and formats Data lake Designs data structure/schema to meet data Contains all data from multiple source analysis requirements systems without data loss Used by data analysts Contains considerable amounts of historical All data Offers no data integration. Offer varying amounts of locks, control, and governance Stores data is in its original schema without conversion of original data values Are based on database technology Maintains data structure/schema from source systems Used by data scientists GCORVELLE Corvelle Drives Concepts to Completion



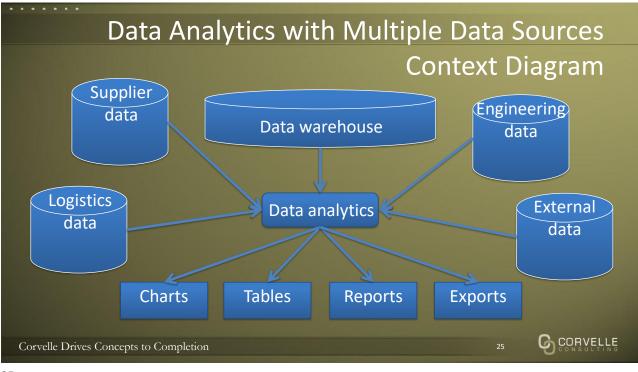
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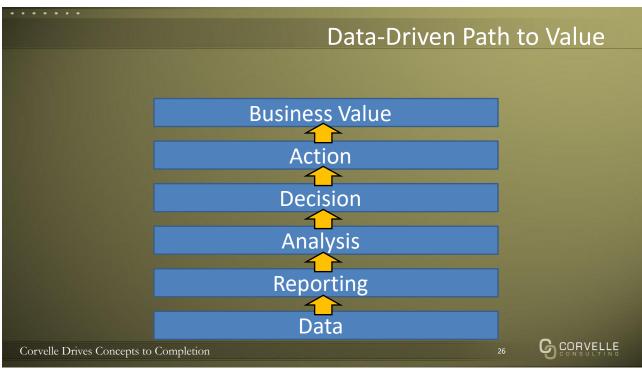




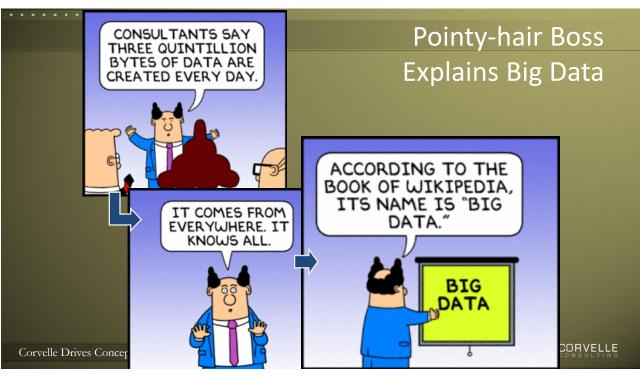
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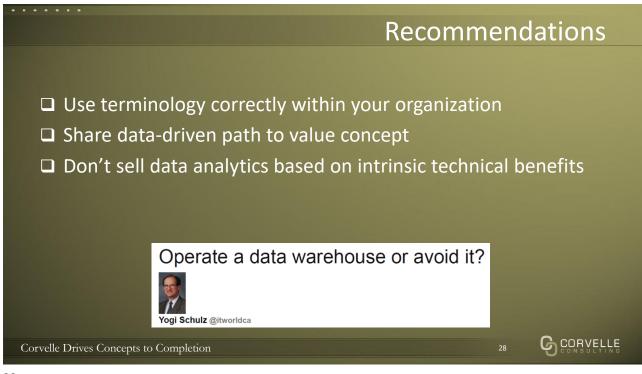


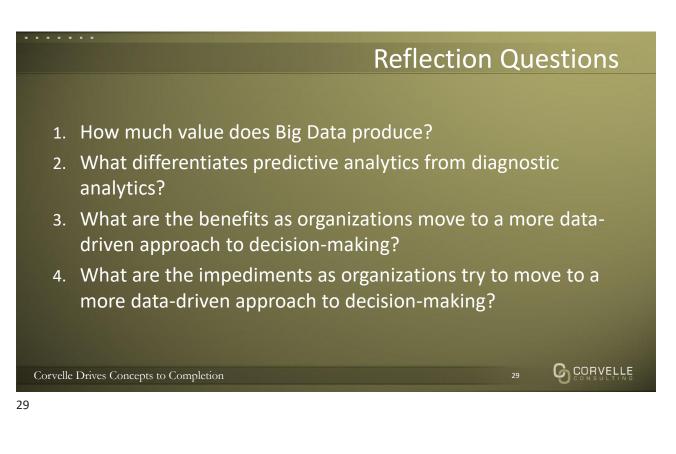
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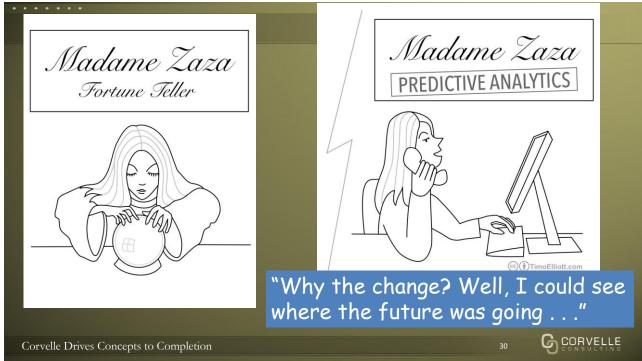












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