Big Data generated by Organizations:

Structured but often siloed

After this video you will be able to...

- Describe the types of data organizations collect
- Explain the term structured data
- Cite the reasons for integrating structured data in different silos

How organizations produce data

Commercial Transactions

Government Open Data ...

Banking/Stock Records

E-Commerce

Credit Cards

Medical Records

Sale transaction data





Detect correlated products



Detect correlated products

Estimate demand



Detect correlated products

Estimate demand

Capture fraudulent activity



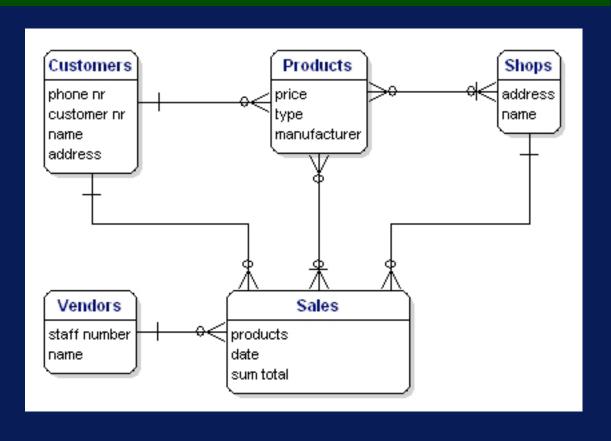




Analytics

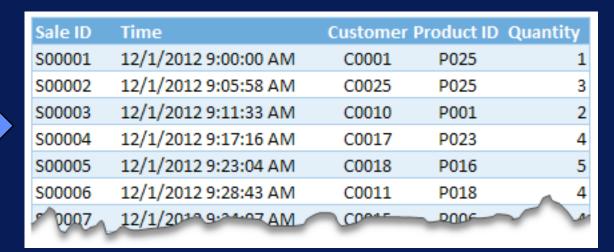
Better predictions

Highly structured data



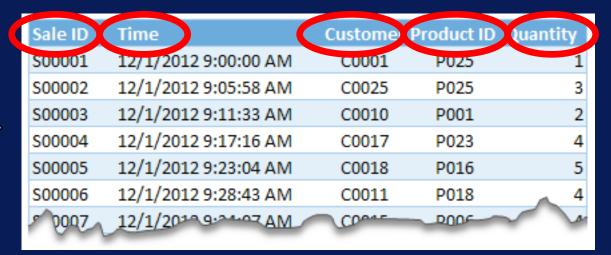
Sales Transaction Records





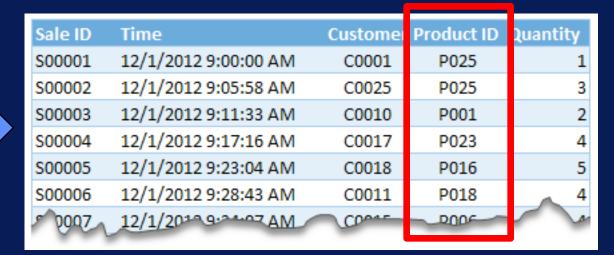
Sales Transaction Records





Sales Transaction Records





"Structured Data": A Continuum Key: Value Binary Raw **ReST** Prog **XML** Lang **ATOM** I/O CSV OOP **JSON** SQL RSS SOAP ABI

Data silos within an organization!



Data Silos

Hindered opportunity generation

Unconnected information islands

Data Silos

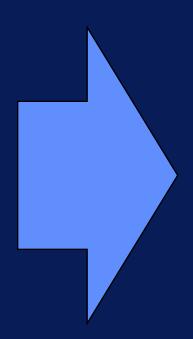
Hindered opportunity generation

Unconnected information islands

Outdated, unsynchronized, even invisible data

Highly-structured organizational data





Value!