

EMERGING TECHNOLOGIES FOR BI, ANALYTICS, AND DW

New and exciting technologies, tools, development methods, big data sources, and best practices—collectively called emerging technologies and methods (ETMs)—are changing the fields of enterprises' business intelligence (BI), analytics, data warehousing (DW), and data management (DM). In the recent TDWI Best Practices Report *Emerging Technologies For Business Intelligence, Analytics, and Data Warehousing*, we explore what's hot and what enterprises are planning to use. Here are several of the key survey results.

Benefits

ENTERPRISES WANT TO STAY AHEAD OF THE COMPETITION.

What are the leading benefits of embracing ETMs?

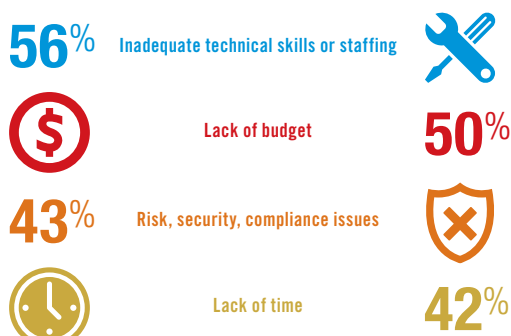


Source: Figure 6, page 12 (Respondents could choose up to five answers)

Barriers to Success

LACK OF SKILLS AND STAFF HAMPER ENTERPRISE USE OF EMERGING TECH.

What are the barriers to embracing ETMs?

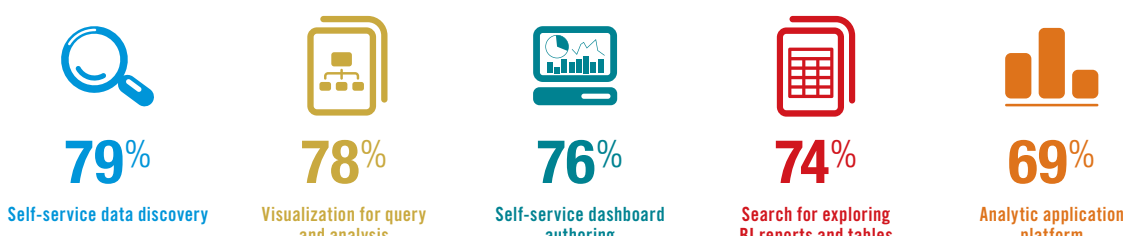


Source: Figure 7, page 13 (Respondents could choose up to five answers)

New Technology for BI

DATA DISCOVERY IS A TOP ENTERPRISE NEED FOR SELF-SERVICE BI.

How important are the following technology systems or capabilities to enabling users in your organization to achieve their objectives with BI and analytics in a self-directed fashion, without close IT oversight? (Those indicating very or somewhat important.)

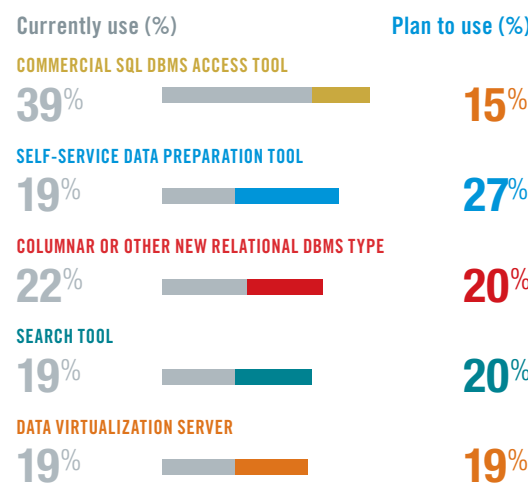


Source: Figure 9, page 18

How Do We Get to Hadoop?

ENTERPRISES ARE USING A VARIETY OF TOOLS TO WORK WITH HADOOP.

Which of the following technologies are currently being implemented or planned to be implemented by users in your organization for accessing Hadoop files from BI and analytics tools?

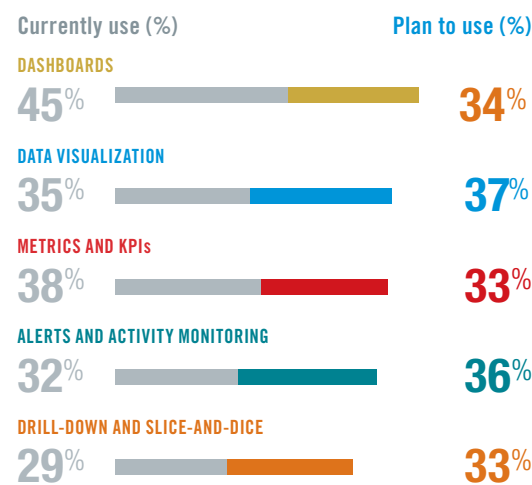


Source: Figure 10, page 20

Mobile BI

ENTERPRISES HAVE EMBRACED MOBILE BI, ESPECIALLY FOR DASHBOARDS.

Which of the following types of BI functionality are users in your organization currently implementing on mobile devices and which are planned for implementation?

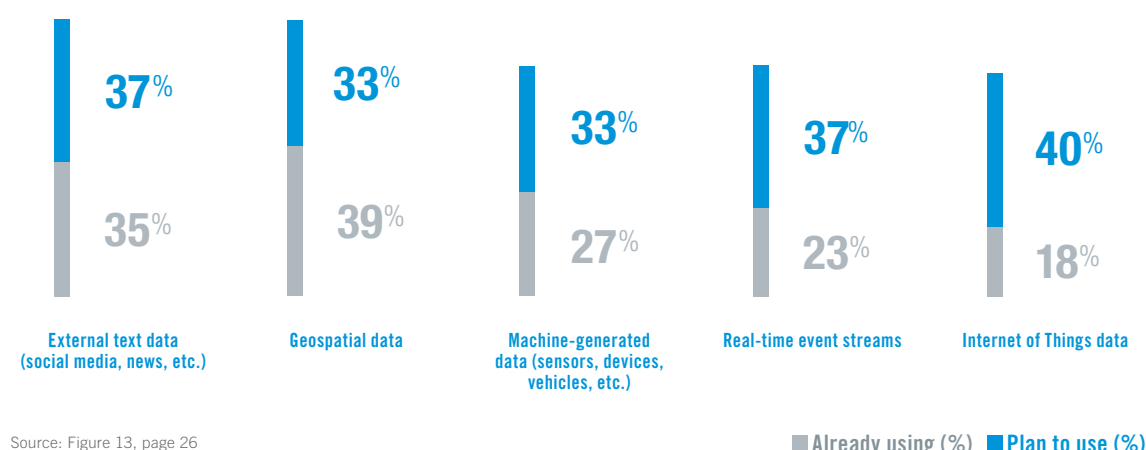


Source: Figure 11, page 22

Where Data Comes From

ALTHOUGH 84% OF ENTERPRISE RESPONDENTS USE STRUCTURED DATA, EMERGING DATA TYPES ARE DRAWING STRONG INTEREST.

What data types or sources is your organization using or planning to use with ETMs within the next three years?

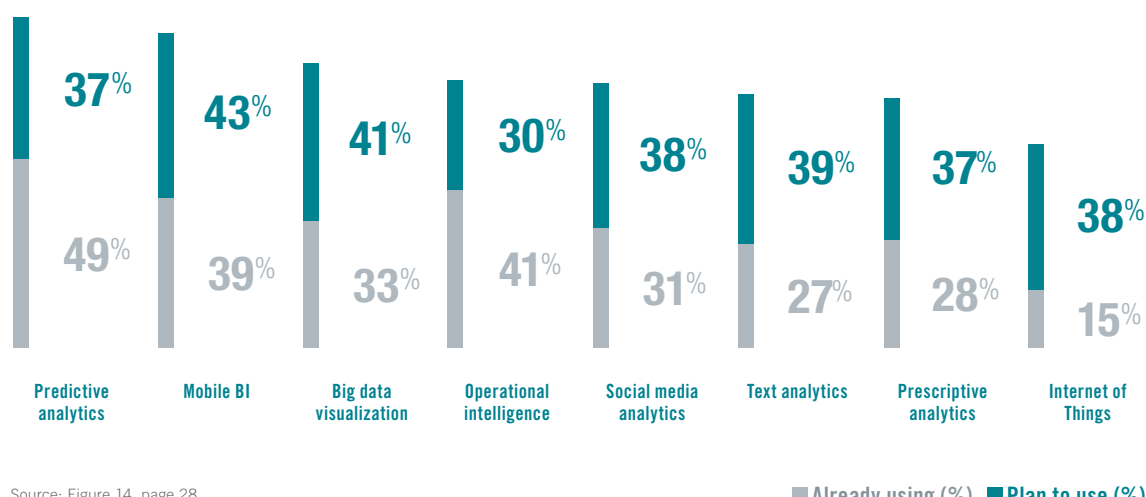


Source: Figure 13, page 26

Emerging Tech for Analytics

ALTHOUGH THE VAST MAJORITY (81%) OF RESPONDENTS ARE USING DASHBOARDS AND SCORECARDS, OTHER KINDS OF ANALYTICS ARE EMERGING.

Which of the following ETMs is your organization using or planning to use for BI and analytics within the next three years?

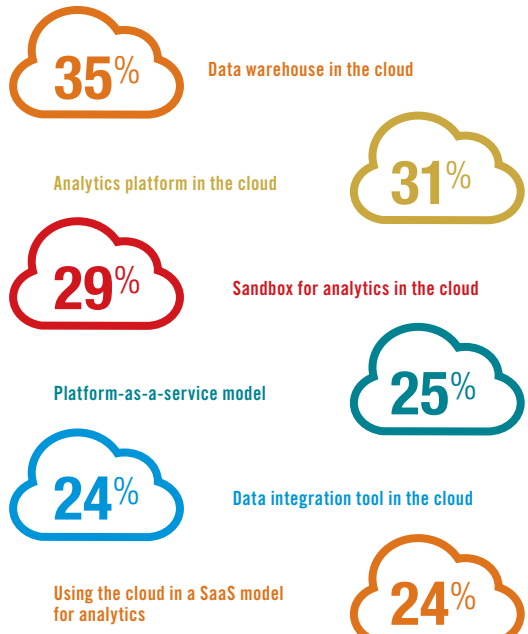


Source: Figure 14, page 28

Cloud Is Growing

THE CLOUD IS A POPULAR PLACE FOR DATA WAREHOUSING AND ANALYTICS.

What are you doing in the cloud for data management and analytics?

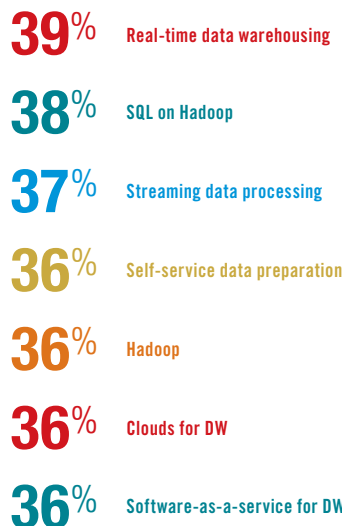


Source: Figure 16, page 32 (Respondents could choose multiple answers)

Emerging Technology for Data Warehousing

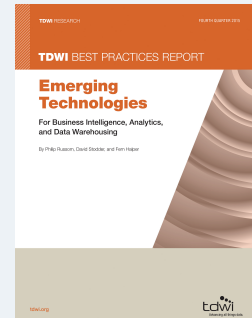
THE NEAR FUTURE WILL SEE ENTERPRISES INCREASING THEIR USE OF EMERGING TECHNOLOGIES IN DATA WAREHOUSING.

Which of the following ETMs is your organization planning to use within three years for data warehousing (DW) and other data management disciplines?



Source: Figure 17, page 36

DATA FROM



TDWI'S BEST PRACTICES REPORT
EMERGING TECHNOLOGIES:
For Business Intelligence, Analytics, and Data Warehousing

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