# **VISUAL ANALYTICS FOR MAKING SMARTER DECISIONS FASTER**

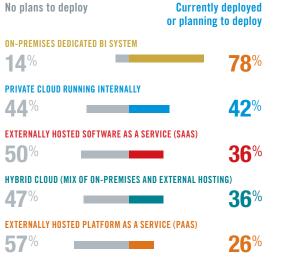
Visual analytics can help business users become more productive with data by using software to integrate data analytics with modern, graphical ways of expressing information. Where are users succeeding with BI and analytics, and where can visual analytics improve their decisions? TDWI's recent Best Practices Report, Visual Analytics for Making Smarter Decisions Faster, found these survey results.

### **Deployment Options**

**ON-PREMISES REMAINS THE OVERWHELMING ENTERPRISE CHOICE; NEARLY TWO-THIRDS OF** RESPONDENTS ARE NOT INTERESTED IN THE PUBLIC CLOUD.

How are BI and visual analytics tools and systems in your organization currently deployed, and how is your organization planning to deploy them?

**Currently deployed** 



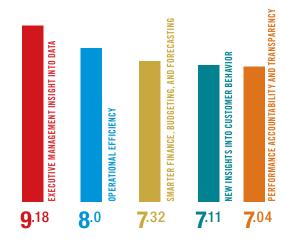
Source: Figure 2, page 9

64%

## The Push Behind the Expansion

**GIVING EXECUTIVES THE INSIGHT THEY NEED IS THE TOP BENEFIT DRIVING VISUAL** ANALYTICS.

What are the most important business benefits that you and your organization seek to achieve through use of BI and visual analytics? (Weighted averages of answers from 402 respondents asked to rank selections in order of importance)



Source: Figure 4, page 12

### **User Satisfaction**

**PUBLIC CLOUD INFRASTRUCTURE AS A SERVICE (IAAS)** 

#### USERS HAVE THE GREATEST SUCCESS USING VISUAL ANALYTICS TO BUILD DASHBOARDS AND SCORECARDS, BUT KEYWORD SEARCH REMAINS A CHALLENGE.

How successful are you and users in your organization with the ability to use tools to visually interact with data in the following ways?

**22**%

Build dashboards or scorecards

**69**%

**Edit existing** 

views and

charts







Filter data

dynamically







Use visualization to develop

Visually map, profile, and transform data





**49**% Embed interactive data visuals

Least success

Source: Figure 5, page 17

## **Accessing and Analyzing Data**

**Greatest success** 

USERS HAVE THE GREATEST SUCCESS VISUALLY INTERACTING WITH DATA IN SPREADSHEETS. AND LIVE OR REAL-TIME DATA STREAMING REMAINS TROUBLESOME.

How successful are you and users in your organization with the ability to use your tool's visual interaction capabilities to access and analyze the following data sources?

**Spreadsheets** 













Social media







**45**% Multi-structured data (e.g., customer interaction streams)





44% NoSQL databases

Most successful Source: Figure 6, page 19

What Visual Analytics Does Best

Least successful

#### DATA DRILL-DOWN AND SLICE-AND-DICE REMAIN VISUAL ANALYTICS' STRENGTHS; ANALYZING WITH NETWORK DIAGRAMS IS TOUGH FOR MORE THAN HALF OF ALL RESPONDENTS.

How successful are you and users in your organization with the ability to use your tool's visual analytics capabilities to perform the following activities?

Data drillslice-and-dice





**Identifying data** 

Analyzing with network diagrams





Creating 3D visualizations

1% Ad hoc visual data





Acquiring and preparing data Analyzing with decision trees





Sentiment

Most successful Source: Figure 10, page 26

**Visual Analytics Integration Plans** 

Least successful

## WHEN IT COMES TO INTEGRATION, COMBINING VISUAL ANALYTICS AND BUSINESS PROCESS

MANAGEMENT IS THE TOP ENTERPRISE CONCERN. How important to your organization are the following steps for integrating analytics with

business applications, processes, and workflow to improve operational performance?

**Automating decisions for** 

Integrating visual analytics with business process management





Optimizing dynamic pricing with analytics





scenarios for decision ontimization







Enabling analytics to guide real-time process optimization

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Product and company

DATA FROM

Visual Analytics for Making Smarter Decisions Faster

TDWI'S BEST PRACTICES REPORT **VISUAL ANALYTICS** FOR MAKING **SMARTER DECISIONS FASTER:** 

Applying Self-Service Business Intelligence Technologies to Data-Driven Objectives



provider of in-depth, high-quality education and research in the business intelligence and data warehousing

Least important