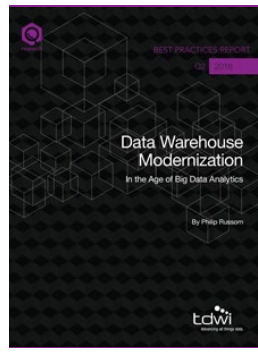


TDWI BEST PRACTICES REPORTS

THE MODERNIZATION OF THE DATA WAREHOUSE



TDWI'S BEST PRACTICES REPORT: **DATA WAREHOUSE MODERNIZATION**

As any data warehouse professional can tell you, the data warehouse (DW) is today evolving, extending, and modernizing to support new technology and business requirements as well as to prove its continued relevance in the age of big data and analytics. This process has become known as *data warehouse modernization*. Synonyms include DW augmentation, automation, and optimization.

Every user organization and its DW is a unique scenario, so every modernization program is, too. Even so, a few common situations, drivers, and outcomes have arisen.

Unless otherwise noted, the facts presented here are from the *TDWI Best Practices Report: Data Warehouse Modernization in the Age of Big Data Analytics*, online at tdwi.org/bpreports. Not all charts sum to 100% due to rounding or multiple answers per survey respondent.

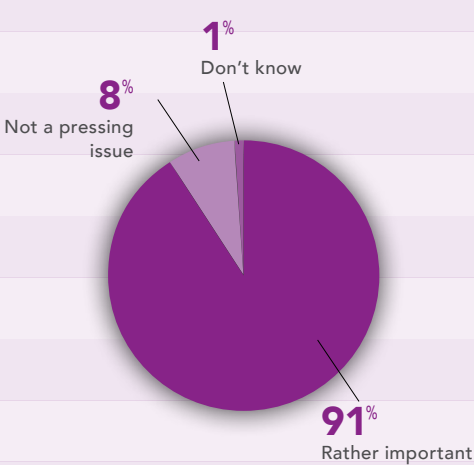
TOP 10 DRIVERS FOR THE MODERNIZATION OF THE DATA WAREHOUSE

Source: Figure 1, page 7



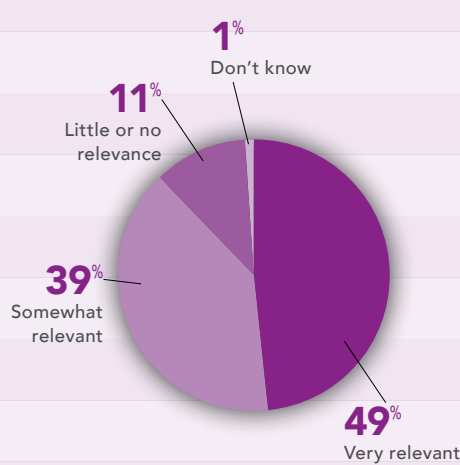
How important is data warehouse modernization?

Source: Figure 2, page 8



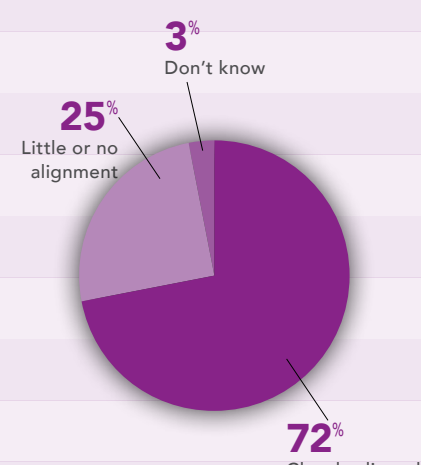
Is your data warehouse still relevant to your business?

Source: Figure 6, page 11



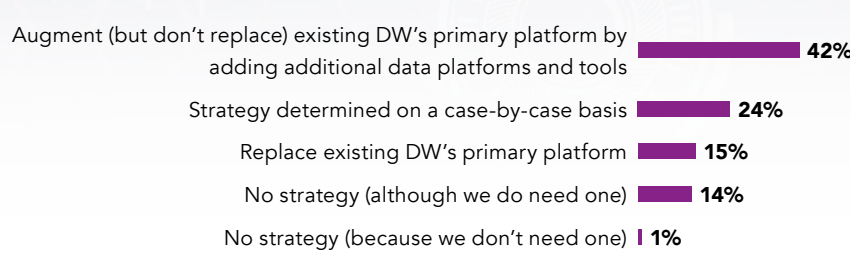
What is the state of your DW-to-business alignment?

Source: Figure 13, page 19



SUCCESSFUL DW MODERNIZATION REQUIRES A STRATEGY

Source: Figure 11, page 18



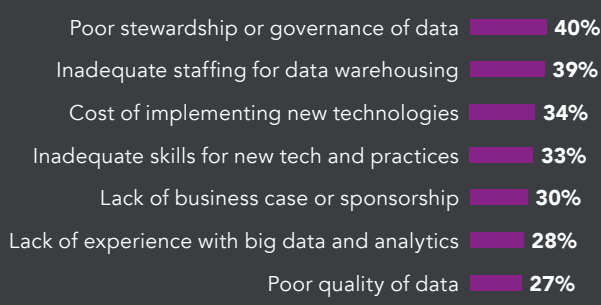
TOP BENEFITS OF DW MODERNIZATION

Source: Figure 8, page 13



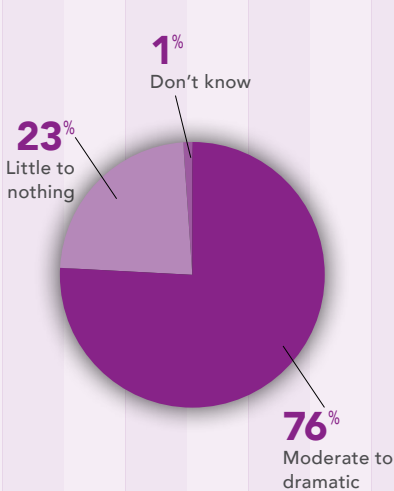
TOP BARRIERS TO DW MODERNIZATION

Source: Figure 9, page 15



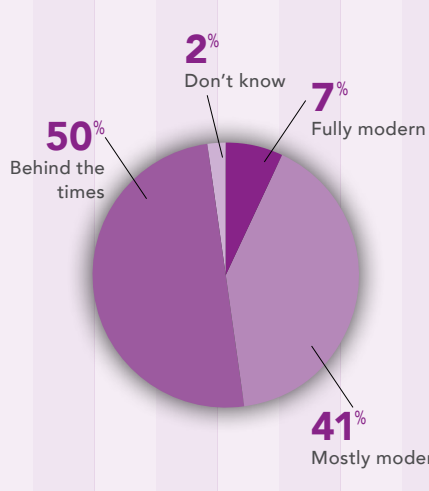
At what pace is your data warehouse evolving?

Source: Figure 4, page 10



How modern is your data warehouse today?

Source: Figure 5, page 10



MOST MODERN DATA WAREHOUSES HAVE MULTIPLATFORM AND HYBRID ARCHITECTURES

Source: TDWI Best Practices Report: Evolving Data Warehouse Architectures in the Age of Big Data, online at tdwi.org/bpreports; Figure 10, page 19

The monolith was the norm in the 1990s. It's now rare and declining.

Multiplatform and hybrid architectures are now the norm for modern DWs.

Single monolithic DW with no other data platforms

15%

Central DW with many additional data platforms

37%

No true DW, but many workload-specific data platforms instead

16%

15%

15%

Central EDW with a few additional data platforms

Many workload-specific data platforms w/non-central EDW

Other (2%)

CO-SPONSORED BY

PROVIDED BY

CLOUDERA

cloudera.com

At Cloudera, we believe that data can make what is impossible today, possible tomorrow. We empower people to transform complex data into clear and actionable insights. Cloudera delivers an enterprise data cloud for any data, anywhere, from the edge to AI. Powered by the relentless innovation of the open-source community, Cloudera advances digital transformation for the world's largest enterprises. Store, analyze, and manage all your data in all its forms in a modern data warehouse wherever it works best for you. With Cloudera Data Warehouse you're in control. Run on premises, in the public cloud, or in any combination you'd like. With Cloudera the choice is yours.

Visit the Cloudera Modern Data Warehouse Kit Hub to learn more.

TRANSFORMING DATA WITH INTELLIGENCE™

TDWI is the premier provider of in-depth, high-quality education and research in the analytics and data management industry.

tdwi.org

© 2019 by TDWI, a division of 1105 Media, Inc. All rights reserved. Reproductions in whole or in part are prohibited except by written permission. Email requests or feedback to info@tdwi.org.

Product and company names mentioned herein may be trademarks and/or registered trademarks of their respective companies.