

Current trends in Business Intelligence

Anamaria Duman

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Research-informed Literature

The competitive nature of the business world necessitates that companies constantly strive to enhance their performance by identifying and correcting weak areas of their operations. As a result, functional business areas have seen a rise in demand for business intelligence and analysis solutions. In order to provide actionable business insights, interactive reports, and streamline decision-making, BI tools employ software to collect, process, analyze, and visualize vast amounts of historical, current, and future data (Lu 2020). A company's operational areas include human resources, marketing, technology, and financial management. The business world is currently following this lead. When it comes to essential departments, such as human resources, business intelligence, and analysis have been heavily integrated (Cruz 2020). The department of human resources is necessary. Nonetheless, it has typically been seen as a department for capital losses. However, corporations have integrated the use of business intelligence and analytical tools in an attempt to transform the perspective of human resource management. The new technologies provide timely information on team member performance and a forecast of company and consumer behavior. The fundamental concepts of business intelligence and analysis significantly influence their effectiveness. Accurate information is critical for using practical business intelligence tools, for example. In order to guarantee a precise outcome, this function has been included in the tool. This feature has bolstered the current trend of adopting intelligence tools in the commercial sector (Song 2018).

Knowledge and Understanding of Subject

According to the literature evaluation, business intelligence and analytical tools are becoming increasingly crucial in the business sector. As a result, it is necessary to examine what is causing these tendencies to develop. When it comes to an understanding how things are evolving, technology is becoming increasingly vital in every aspect of the business (Dedić and

Stanier 2016, November). Part of the present trend stems from its ability to provide leaders with precise and timely information on the state of their firm, helping them make better decisions. Managers, for example, can determine which staffs are succeeding in reaching their objectives. The organization might increase productivity in numerous methods. It is also easy to gather information with intelligence tools. Without fear of missing critical inflation, the data can be promptly verified and rechecked without risk (Dedić and Stanier 2016, November).

Many ideas and models are used to support the current development in intelligence technologies by businesses. Concisely, the model demonstrates why organizations are eager to adopt new technology. In order to explain how he was progressing, he employed the principle of justifiable conduct. Taking this method highlights that doing something results from having the desire to do it, and a person's thoughts about the behavior are a significant part of their intention. Some claim that intelligence tools are hampered by inaccurate data, which is a common argument against embracing new technologies (Dedić and Stanier 2016, November). People's assertions about why they utilize technology, such as their competitors' use of technology and the feature that makes their firm more efficient, are known as subjective norms. It is possible to determine how successful business intelligence and analysis tools are being used in the field by using the Unified Theory of Acceptance and Use of Technology model. Technology adoption can be anticipated by looking at performance likelihood, exertion expectancy, and shared effect (Hellsten and Myllärniemi 2019).

Analysis

Increasing numbers of firms are incorporating innovative technology and analytics tools into various aspects of their operations. The current trend is examined in detail in this section. There are many departments within a firm, and each one performs a specific task. Research and

development is critical component of the work (Brijs 2016). New products and services to suit customers' demands are the responsibility of this division. The department is the largest consumer of business information and analysis software despite this. 32% of R&D teams use business intelligence tools at least once a week, if not many times per week. Businesses have increasingly turned to technology in the hope that it will increase profits. Nevertheless, a great deal of technology has been employed in the firm in recent years to reduce costs and improve efficiency. This shift in motivation may be due to a growing desire for firms to be more ecologically friendly. In order to be sustainable, a company must employ strategies that allow it to generate a profit while simultaneously safeguarding future generations (Richards et al. 2019).

Because of their increasing size, these industries demonstrate the importance of business intelligence and analytical technologies to the whole economy. One study predicts that by 2027, the field of business intelligence will be quite lucrative. Here, we see a large portion of the global economy. Because more small and medium-sized firms are adopting technology, the demand for business intelligence solutions will rise. Online firms will likely use more business intelligence and analysis solutions as the market for online buying and reservations increases. As a result, large corporations are expected to increase their use of technology in order to improve their productivity. As a result, organizations of all sizes will continue to seek out business intelligence analysis tools (Saura and Bennett 2019).

Practical application and deployment

Businesses are increasingly turning to business information and analysis solutions, and this trend cannot be overstated. Consequently, it is critical to employ realistic models to illustrate the underlying causes of the current trend (Jin and Kim 2018). The reasoned behavior model, for instance, correctly identifies the motivation for technology implementation. Attitude and action

are intertwined in the inferential behavior model, as are the activities that follow. Thus, new technology adoption is frequently fueled by the notion that the measures will eventually become mandatory. Lotte.com uses the model to identify better, why customers abandon shopping carts during the checkout process (Jin and Kim 2018).

Company officials believe using intelligence technologies will help them had better understand the factors that affect consumer decisions. The optimal usage of shopping carts may also reflect customer satisfaction with the company's products and services, which may also be included in the normative standards of the business. Business information and analytic technology are incorporated into the company's strategy into the corporation. As a result, customers were less likely to abandon their shopping carts, which increased sales. Consequently, the technology's acceptance can be described as pragmatic factors (Brandão et al. 2016).

Skills for Professional Practice

Professionals today must show proficiency in a wide range of areas if they are to be successful. The ability to communicate effectively is one of the most crucial talents. Both written and oral communication is part of a person's communication skills. When it comes to training new staff on how to use cutting-edge technology, good communication is essential in various contexts (Villamarín and Diaz Pinzon 2017). There are no substitutes for good critical thinking when it comes to technology. Personnel must study and grasp the data even if technology can deliver quick results (Fink 2017). The employees at this restaurant must have a high degree of problem-solving abilities. The success of a business depends on the vision and attention to detail that its experts possess. Often, employees will have to make decisions using only a few pieces of information, which means they will have to be highly aware of even the tiniest changes and details of the data. Learning and growing as a member of a team is also critical for success. When it comes to the

changing nature of the workplace, technology adoption is the best indicator. Consequently, employees must be receptive and receptive to adapt to the new setting (Brijs 2016).

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