

*Original Article*

# The Role of Change Management in Enhancing Data-Driven Decision Making: Insights from Business Intelligence Initiatives

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**Abstract:** *In the current business environment, an organization's ability to make beneficial, data-driven decisions is crucial to its prosperity. The present research examines how change management strategies, namely Business Intelligence (BI) initiatives, enhance these qualities. Business Intelligence (BI) systems offer tools for collecting, interpreting, and presenting data in order to deliver insights that may be put to use. Adept deployment of organizational changes requires effective management. In order to demonstrate how effective change management promotes BI adoption and optimization, this study synthesizes existing literature and empirical data. Data-driven decisions are supported when obstacles like skill gaps and aversion to change are addressed. In addition to facilitating the implementation of BI, proactive change management fosters a culture that is focused on data. It has been determined that leadership, training, and stakeholder engagement are essential tactics. In conclusion, organizations may effectively utilize their data when they combine cutting-edge technology with sound change management procedures. This strategy makes it easy to keep a competitive edge and make strategic judgments.*

**Keywords:** *Data-Driven Decision-Making, Business Intelligence (BI), Change Management, Data Analytics, Organizational Change, Performance Monitoring, Continuous Improvement.*

## I. INTRODUCTION

Utilizing data analytics has become essential for businesses trying to maintain a competitive edge in a contemporary dynamic corporate environment. Businesses that use data-driven insights to base their choices are better equipped to make well-informed decisions, react swiftly to market developments, and grab hold of new possibilities. Yet, technological investment solely is not necessarily adequate for the successful deployment of data analytics activities; organizational change management usually requires a purposeful approach.

Change management is essential to the uptake and effective application of data analytics, especially in Business Intelligence (BI) initiatives. Helping individuals, teams, and entire organizations implement changes that will produce the desired outcomes is the core objective of change management. This entails changing organizational cultures, procedures, and mentalities to support data-driven decision-making in the context of data analytics[1].

The goal of this paper is to take a close look at change management in data analytics initiatives using the framework of business analysis. It will examine how important change management techniques are for navigating the difficulties that come with using business intelligence. We will look at some of the fundamentals of change management and how they enable data-driven excellence, including stakeholder participation, effective communication, and leadership commitment.

Additionally, the paper will discuss different change management tactics specifically used for business intelligence projects. These tactics include resolving resistance to new technology, developing training programs to improve data literacy, and coordinating organizational structures to facilitate data integration and analysis.

Although it has many potential advantages, BI initiatives face a number of obstacles when attempting to apply effective change management. These difficulties include organizational inertia, cultural opposition, and the ongoing need to adjust to changing market needs and technological advancements. Organizations can put themselves in a better position to fully utilize their data assets by recognizing and tackling these issues.

This article's ultimate goal is to distil best practices and insights that can help organizations achieve excellence in data-driven decision-making by using strong change management techniques. Through the comprehension and application of change management's benefits, companies can cultivate consistent growth, creativity, and a competitive edge in the digital era.



## II. BACKGROUND AND IMPORTANCE OF DATA-DRIVEN DECISION-MAKING

Whether the objective is to increase efficiency or surpass competitors, data-driven decision-making is a crucial part of strategy in today's corporate climate. The action of obtaining data based on your company's Key Performance Indicators (KPIs) and converting it into insightful knowledge is known as "data-driven decision-making". Big data collection is made quick and efficient in this process by using Business Intelligence (BI) reporting technologies. Those without extensive technical knowledge can now easily access data analytics thanks to these technologies that streamline data visualization.

The core of a data-driven choice is the use of facts or data to find patterns, conclusions, and insights to direct your actions. In short, making decisions devoid of bias or emotion is the aim of data-driven decision-making. That way, you can ensure that your company's goals and strategy are based on the data and the patterns you have found from it, not on your personal preferences.

Data-driven decision-making is essential because it facilitates decision-making based on facts rather than assumptions. In a leadership position, the greatest way to maintain objectivity and fairness is to make impartial choices. The best judgments are based on data that is updated in real-time and measures your company objectives. You can compile the necessary data.

Among the choices you may make with data assistance are how to increase sales and profits, how to develop ethical management practices, how to optimize operations, and how to enhance team performance. Many of the most significant judgments will have evidence supporting them, albeit not all of them will. Thus, data analytics is more than just a trendy term; it's a fundamental shift in how businesses operate. It involves applying advanced analytical techniques to analyze massive datasets and produce actionable insights. These insights can help businesses identify trends, decide wisely, and gain a competitive edge. Data analytics has the ability to completely change any part of an organization, whether it is through supply chain operations optimization, consumer behavior analysis, or market trend prediction [2].

## III. OVERVIEW OF CHANGE MANAGEMENT AND KEY THEORIES

An organized method for moving people, groups, and organizations from one intended future state to another is called change management. It includes a range of ideas and concepts that help companies navigate the challenges of change and make sure that adjustments are carried out successfully [3]. Below is a summary of the key concepts in change management that are widely acknowledged in the field.

Kurt Lewin introduced Lewin's Change Management Model in the 1940s, and it is regarded as one of the fundamental frameworks in change management. The three main stages of this strategy are Unfreeze, Change, and Refreeze. The goal of the Unfreeze stage is to get the organization ready for change. It takes undermining the status quo to make people feel that change is necessary. This can be achieved by succinctly stating the benefits and justifications for the proposed modification. This stage is crucial to overcoming any resistance and instilling a sense of urgency among stakeholders. The actual shift takes place during the Change stage, which starts once the organization is prepared. During this stage, new habits, procedures, or ways of thinking are adopted. People may experience doubt and confusion during this difficult period as they adjust to the new developments. Effective training, support, and communication are necessary to make this process easier. The last step in the Refreeze stage is to solidify and stabilize the newly created state. Guarantee that the new procedures and behaviors become standard throughout the company; this entails rewarding them. Recognizing accomplishments, offering continuing assistance, and incorporating the adjustments into the company's culture are a few examples of these strategies [4].

John Kotter presented another well-known paradigm in his book *Leading Change: The Kotter's 8-Step Change Model*. This technique offers a comprehensive, rigorous procedure for successfully putting change management into practice. The first stage is to create a sense of urgency by emphasizing the significance of change to excite stakeholders. Data, market trends, or competitive pressures that demand change can be used to accomplish this. Building a Guiding Coalition, or assembling a group of powerful people to spearhead the change endeavor, is the second phase. This coalition ought to be able to spearhead the transformation process with legitimacy and authority. The next step for businesses is to develop a compelling and understandable strategic vision that describes the ideal future state. In order to guarantee alignment with the change objectives, the fourth phase involves successfully communicating the vision throughout the business through a variety of channels. Enabling Action by Removing Barriers is the fifth step, which entails locating and removing roadblocks to the change process. This can entail dealing with opposition, supplying required materials, or modifying organizational structures. In order to create momentum and reaffirm the advantages of the shift, the sixth stage is to Generate Short-Term Wins, which involves organizing and celebrating minor successes along the route. The seventh phase is to Sustain Acceleration, which entails preserving momentum by keeping stakeholders involved and advocating for change. The eighth and last phase is to Anchor Changes in Corporate Culture, which entails making sure the modifications are ingrained in the culture of the company through rules, practices, and ongoing communication [5].

Prosci's ADKAR Model, which centers on the experience of the individual during transformation, provides an alternative viewpoint. The five main components of this approach are reinforcement, awareness, desire, knowledge, and ability. As part of

the first component, awareness, people must be made aware of the need for change, which necessitates explaining the changes' justifications and the possible repercussions of staying the same. The second component, desire, focuses on creating an incentive to embrace and take part in the transformation. This can be accomplished through engaging people in the process of change and attending to their specific motivations and advantages. The third component, knowledge, is giving staff members the knowledge—including training and resources on new procedures or behaviors—that they require to comprehend how to adapt. The necessity for people to acquire the abilities and skills required to carry out the transformation is emphasized by the fourth element, ability. To develop confidence, this can need coaching, support, or practical training. Ultimately, through continual support, rewards, and recognition, reinforcement makes sure that the new behaviors are maintained throughout time [6].

The McKinsey 7-S Model emphasizes the interdependence of seven organizational elements—Strategy, Structure, Systems, Shared Values, Style, Staff, and Skills—in order to take a comprehensive approach to change management. According to this paradigm, altering one component will have an effect on the others, emphasizing the necessity of alignment in all domains for change to be successful. For example, when an organization modifies its strategy, it might also need to modify its systems and structure to accommodate the new course. For change management to be effective, it is imperative to comprehend these interdependencies [7].

The emphasis of Bridges' Transition Model is shifted from change itself to the psychological transition people go through when they undergo change. Three phases are identified by this model: New Beginning, Neutral Zone, and Ending. It might be difficult for people to let go of old habits during the Ending phase since they may sense resistance or loss. It's critical to recognize these feelings and support people in processing them. People may feel disoriented when navigating the shift in the Neutral Zone, which is marked by ambiguity and bewilderment. As people start to adjust to new methods, this phase—which is frequently the hardest—is also a period for trial and inquiry. At last, people start to accept the changes and form a new identity within the organization during the New Beginning phase. In order to do this, it is necessary to reward new behaviors and make sure that people feel empowered and supported in their new roles [8].

The Nudge Theory, made popular by Cass Sunstein and Richard Thaler, contends that small environmental modifications can affect behavior and judgment without limiting options. This theory highlights how crucial it is to make decisions in a way that promotes constructive behaviors. Organizations may utilize nudges, for instance, to encourage the adoption of new procedures by altering the way options are presented or by reminding people to complete desired actions and provide prompts and reminders. Organizations can promote employee adoption of change and enable more seamless transitions by utilizing behavioral insights [9].

Last but not least, the Satir Change Model outlines five stages—Late Status Quo, Foreign Element, Chaos, Integration, and New Status Quo—that represent the emotional reactions people go through during change. The Late Status Quo is a term used to describe the situation that exists before the change is implemented, when people may feel content but unchanging. The arrival of change, which causes upheaval and uncertainty and hence anxiety or resistance, is the Foreign Element. Confusion and disarray as people adjust to the new changes are hallmarks of the Chaos stage. Giving assistance and direction at this time is essential. People move from the adaptation phase into the integration phase when they figure out how to apply new behaviors and procedures to their work. When the new condition becomes the norm, and people start to feel more at ease and secure in their responsibilities in the altered environment, the New Status Quo eventually appears [10].

#### **IV. THE ROLE OF CHANGE MANAGEMENT AND DATA-DRIVEN DECISION DECISIONS AND THEIR INTERSECTION**

Change management plays a variety of roles in data-driven decision-making. First, by examining pertinent facts, efficient change management assists companies in determining whether change is necessary. This preliminary evaluation is essential because it establishes the foundation for creating an extensive change management strategy. Including stakeholders in all phases of the approach is essential to ensure that they understand the rationale for the changes and feel that they are part of the decision-making process.

Moreover, data governance is a crucial component of data-driven change management. It creates internal guidelines and regulations that control the gathering, storing, processing, and accessing of data. Effective data governance guarantees that companies have accurate and dependable data to guide their change management plans, encouraging teamwork and responsibility.

One of the biggest obstacles organizations encounter when implementing new strategies is resistance to change. It is ingrained in human nature to oppose change for psychological reasons, such as dread of the unknown. Data-driven change management techniques might lessen this opposition by presenting convincing proof of the advantages of the suggested adjustments. Data, for example, can show how adjustments will result in better customer service or enhanced efficiency, allaying concerns and creating a more welcoming atmosphere.

Moreover, data-driven decision-making improves the capacity to track and assess the success of change projects. Establishing KCIs in line with the change's objectives allows firms to monitor progress and make necessary adjustments. A wide range of subjects, including team performance, organizational performance, change communication, and training efficacy, can be measured using these measures. By frequently monitoring these measures, managers can identify when a change method is not yielding the desired results and can make the necessary adjustments [11].

The convergence of data-driven decision-making and change management has grown and is generally recognized as critical to an organization's success. Businesses need to implement efficient change management strategies in light of the constantly changing technological landscape and market realities if they want to use data to drive strategic initiatives and guide decisions.

Businesses must combine data-driven decision-making with change management to remain competitive in the current dynamic market. When businesses employ data analytics to guide strategic decisions, they can overcome gut feelings and presumptions. This process is what we call "data-driven decision-making." When combined with successful change management techniques, data-driven decision-making can greatly improve organizational performance.

The ability to address resistance to change—which can arise from a variety of factors, such as a lack of information, a fear of the unknown, or inadequate communication—is one of the main advantages of combining data-driven decision-making and change management. Organizations can counteract resistance by presenting the benefits of changes and using statistical evidence to support their arguments. Data can also shed light on employee attitudes and behaviors, which enables leaders to modify their change initiatives more effectively.

Additionally, data-driven change management makes real-time insights into user behavior and organizational achievement possible. With this feature, businesses can keep a close eye on the development of change projects and adjust as needed based on data. For example, data analytics can assist in identifying specific areas of concern, such as inadequate training or procedural bottlenecks, if a change program targeted at improving customer service is not producing the intended benefits. Organizations can accomplish their goals and improve the efficacy of their change initiatives by swiftly resolving these issues [12].

## **V. THE ROLE OF BUSINESS INTELLIGENCE [BI] SYSTEMS IN FACILITATING DATA-DRIVEN DECISION-MAKING**

Systems for business intelligence (BI) are essential to enabling data-driven decision-making in enterprises. These potent systems combine data from many sources, offer thorough dashboards and reports, and have strong data visualization capabilities that make difficult-to-understand datasets easier to comprehend. Businesses may track Key Performance Indicators (KPIs) in real time, find patterns and trends in their data, create automated reports for stakeholders, and improve collaboration by exchanging insights with Business Intelligence (BI) tools.

Over time, BI systems have developed to include features that enhance an organization's performance. These systems extract, clean, integrate, query, analyze, and report on data, allowing businesses to manage massive volumes of information. To remain competitive in a corporate environment that is changing quickly, businesses must integrate BI technologies with data-driven decision-making.

Enabling data-driven decision-making by giving decision-makers access to data on every facet of the business's operations is one of BI's main objectives. Organizations must, however, guarantee that their data is of the highest caliber and that their staff members are adequately taught to use the tools if they want BI systems to be really effective. A business intelligence (BI) project consists of the following primary steps: problem formulation, data gathering, perspective and key metrics identification, solution creation, results dissemination and validation, and system administration [13].

## **VI. BENEFITS OF EFFECTIVE CHANGE MANAGEMENT IN BI INITIATIVES**

Businesses can enhance their data-driven decision-making processes by integrating business intelligence (BI) programs with effective change management techniques. Among the principal advantages are the following ones:

### ***A) Enhanced Aptitude for Making Decisions***

Organizations may make data-driven decisions instead of relying exclusively on intuition by integrating change management concepts into business intelligence initiatives, which will result in more well-informed and successful plans. Organizations can more precisely assess their existing state, pinpoint gaps that need to be filled, and create a desired future state with the use of data-driven change management.

### ***B) Enhanced User Adoption***

Adoption success and system value are maximized through effective change management, which promotes employee buy-in and participation with BI tools. By educating employees thoroughly and overcoming resistance to change, organizations may foster a data-driven culture that promotes the use of Business Intelligence (BI).

**C) Measurable Achievement**

Using Key Change Indicators (KCIs) in change management, organizations can track the development and results of Business Intelligence (BI) efforts and assess the project's performance. Establishing KCIs in line with the objectives of the BI project helps companies to track their development, pinpoint areas for enhancement, and make data-driven modifications as needed.

**D) Creating a Culture Driven by Data**

Employing data insights to guide change management can help businesses foster an environment that prioritizes innovation, continuous improvement, and data-driven decision-making. Without a carefully thought-out change management strategy, it could be difficult to put this mentality and behavior shift into practice.

In conclusion, businesses aiming to boost productivity and gain a competitive advantage need to combine BI projects with change management strategies. In today's fast-paced business environment, companies may maximize the benefits of Business Intelligence (BI) and support sustainable growth by addressing resistance to change, cultivating a data-driven culture, and adhering to best practices such as data governance and user training [14].

**VII. CHALLENGES IN IMPLEMENTING CHANGE MANAGEMENT FOR BI**

**A) Opposition to Change**

Employee resistance, or their reluctance to embrace new BI tools and procedures, is one of the main obstacles. Fear of the unknown, ignorance of the advantages of BI, or worries about job security can all be the root of resistance. Using effective change management techniques is necessary to allay these worries and encourage support.

**B) Problems with Data Integrity and Quality**

Organizations require high-quality, integrated data from several sources for BI systems to function effectively. However, because of data silos, uneven data formats, and a lack of data governance regulations, doing this can be difficult. Inadequate data quality can make BI insights less reliable and make transformation projects less successful.

**C) Needs for Training and Development**

Workers must possess the abilities and know-how needed to use BI tools and analyze data insights. Nevertheless, according to a Deloitte report, 67% of executives feel uneasy utilizing or gaining access to data from their tools and resources. It can be resource-intensive, but providing comprehensive training and ongoing assistance is crucial.

**D) Insufficient Data Literacy**

Some staff members may still have problems understanding data, even after receiving training, which makes it challenging for them to comprehend and use BI insights. According to a BARC survey, only 25% of decision-makers claim that data is the primary or only basis for choices, despite 90% of decision-makers stating that information has a high priority in enterprise decision-making. A concentrated effort will be needed to encourage data literacy within the company to overcome this obstacle.

**E) Barriers related to organizational culture**

It might be difficult to transition to a data-driven culture that uses BI since it calls for a big shift in behavior and perspective. Workers could object to making judgments based on facts rather than gut feeling or prior knowledge. Establishing a culture that encourages the use of BI technologies and promotes data-driven decision-making requires effective change management [15].

**VIII. BEST STRATEGIES FOR LEVERAGING CHANGE MANAGEMENT IN BI INITIATIVES**

Incorporating change management strategies into Business Intelligence (BI) programs is crucial for organizations seeking to improve their capacity for making data-driven decisions. Here are a few of the most effective tactics to think about:

**A) Clearly state your vision for change**

A clear and appealing vision is essential for the change initiative. This vision should explicitly outline the BI program's aims and how they relate to the company's overall objectives. By effectively communicating this vision to all pertinent parties, you may reduce opposition to change by fostering understanding and buy-in.

**B) Involve Stakeholders Frequently and Early**

Effective change management necessitates the early involvement of important stakeholders. This covers staff members who will be utilizing the BI tools in addition to the leadership. Early stakeholder engagement enables the collection of insightful input, the resolution of issues, and the guarantee that the BI project satisfies the requirements of several departments. Encouraging communication and frequent updates can help keep participants interested throughout the process.

**C) Put Data Governance Frameworks into Practice**

Building strong data governance frameworks is essential to guarantee the security, consistency, and integrity of data. This entails establishing data standards, defining roles and duties for data management, and putting in place guidelines for data access and usage. A robust governance framework must support the integrity of the data utilized in BI systems.

**D) Offer Thorough Instruction and Assistance**

Training is a crucial component of change management in BI projects. For employees to effectively use business intelligence (BI) tools, organizations must offer extensive training programs customized to satisfy different user groups' needs. Help desks and user forums, for example, provide ongoing support that can help users become more competent and confident.

**E) Utilize Key Change Indicators (KCIs)**

Key Change Indicators (KCIs) must be used to track progress in order to assess the success of the change initiative. KCIs should be SMART (specific, measurable, assignable, realistic, and time-related) and aligned with the BI project's goals. By routinely assessing these indicators, organizations may identify areas for improvement and make the necessary modifications to the change strategy.

**F) Encourage a Culture Driven by Data**

The success of business intelligence projects depends on fostering a culture that values making decisions based on data. This entails encouraging staff members to rely on data insights rather than gut instinct and to use data in routine decision-making procedures. Leadership should set an example for this behavior by utilizing data to guide decisions and praising staff members who use data well in their jobs.

**G) Deal with Change-Resistant People**

Implementing change successfully requires an understanding of and response to opposition to change. Organizations need to recognize possible causes of resistance and create plans to lessen them. This could entail presenting the BI initiative's advantages in an understandable manner, providing adoption incentives, and setting up avenues for staff members to express their concerns and participate in the change process.

**H) Rework and Modify**

Since change is a continuous process, organizations must be ready to modify their change management plans as necessary. User feedback gathering and effect monitoring can reveal whether aspects of the BI endeavor are successful and require improvement. Because of this flexibility, firms are able to improve the overall efficacy of their BI programs and refine their approaches [16].

## **IX. RELEVANT CASE STUDIES**

Leading the world in cloud computing and e-commerce, Amazon launched a massive Business Intelligence (BI) program to improve decision-making throughout its extensive operations and dramatically improve data analytics capabilities. Given the difficulties in integrating a wide range of data sources and making sure that workers at all levels could use the new BI tools efficiently, Amazon realized that in order to promote a culture of data-driven decision-making, a strong change management plan was required.

Amazon has implemented several strategic change management practices to address this. Firstly, the company created a sense of urgency by highlighting the competitive advantage that data-driven decision-making could offer. This was communicated through executive briefings and data-driven presentations, which emphasized the strategic benefits of the Business Intelligence (BI) initiative. Secondly, Amazon created a guiding coalition that was made up of a cross-functional team comprising members from business leadership, data science, and IT. This team was entrusted with advocating for the BI initiative, overcoming challenges, and guaranteeing its smooth implementation.

Employees were routinely informed about the BI initiative's aim via a variety of internal channels, which demonstrated how the new tools would help Amazon achieve its strategic objectives. Amazon concentrated on eliminating hurdles like data silos and outdated technologies in order to speed up the adoption process. To simplify processes, large sums of money were invested in expanding system capabilities and combining data sources.

In order to gather momentum and show the measurable benefits of the BI system, early achievements and milestones were celebrated, such as enhanced data reporting capabilities and quicker decision-making times. These quick successes aided in highlighting the initiative's advantages and promoted wider adoption within the company.

Amazon's BI project produced a very favorable result. Significant gains in operational efficiency were made by the business, including quicker inventory turnover and improved consumer insights. The organization's ability to make decisions was strengthened, and a robust data-driven culture was established through the successful integration of BI technologies, highlighting the crucial role that good change management plays in delivering such transformative outcomes [17].

## X. CONCLUSION

- Business Intelligence (BI) initiatives cannot be implemented successfully unless effective change management is in place. It is essential for managing change resistance, cultivating a data-driven culture, and managing organizational changes.
- Robust change management plans combined with BI systems greatly improve decision-making by guaranteeing that data is used efficiently across the entire company.
- Gaining support and lowering resistance need early stakeholder engagement and clear, regular communication.
- Employees are better able to use BI technologies and analyze data insights when they receive thorough training and continuous assistance, which increases user adoption. Effective BI systems and trustworthy decision-making depend on data security, consistency, and quality, all of which are ensured by establishing robust data governance frameworks.
- Tracking the effectiveness of business intelligence (BI) efforts and improving change management tactics are facilitated by using Key Change Indicators (KCIs) to monitor progress and make data-driven modifications.
- The long-term success of business intelligence efforts depends on the establishment and maintenance of a data-driven culture within the company. Data-driven behaviors should be modeled by leaders, and data literacy should be encouraged at all levels.
- To overcome typical obstacles, including reluctance to change, problems with data quality, and a lack of data literacy, focused tactics and ongoing work are needed to match organizational procedures with business intelligence goals.
- Adopting best practices can help ensure that BI systems are effectively adopted and optimized. These practices include creating a clear vision, including stakeholders, and cultivating a supportive culture.
- The practical use of change management principles and their impact on producing notable gains in operational efficiency and decision-making are demonstrated by real-world instances, such as Amazon's BI effort.

## XI. REFERENCES

- [1] P. Analytics, "Why change management is critical for successful BI integration," *Pyramid Analytics*, Oct. 12, 2015. <https://www.pyramidanalytics.com/blog/change-management-critical-bi-integration/>
- [2] M. Nelson, "Tableau BrandVoice: Beyond The Buzzword: What Does Data-Driven Decision-Making Really Mean?" *Forbes*, 2022. <https://www.forbes.com/sites/tableau/2022/09/23/beyond-the-buzzword-what-does-data-driven-decision-making-really-mean/>
- [3] ASQ, "What is Change Management? Organizational, Process, Definition & Tools | ASQ," *asq.org*. <https://asq.org/quality-resources/change-management#:~:text=Change%20management%20is%20defined%20as>
- [4] S. Hartzell, "Lewin's 3-Stage Model of Change: Unfreezing, Changing & Refreezing - Video & Lesson Transcript | Study.com," *Study.com*, Aug. 13, 2021. <https://study.com/academy/lesson/lewins-3-stage-model-of-change-unfreezing-changing-refreezing.html>
- [5] P. Juneja, "Kotter's 8 step Model of Change," *Management Study Guide*, 2019. <https://www.managementstudyguide.com/kotters-8-step-model-of-change.htm>
- [6] "Hybrid working: change management," *Hybrid working: change management*. <https://www.open.edu/openlearn/money-business/hybrid-working-change-management/content-section-9.4>
- [7] A. Talerico, "McKinsey 7S Model," *Corporate Finance Institute*, 2022. <https://corporatefinanceinstitute.com/resources/management/mckinsey-7s-model/>
- [8] "Bridges' Transition Model for Change – The World of Work Project," *World of Work*. <https://worldofwork.io/2019/07/bridges-transition-model-for-change/>
- [9] U. Tahir, "What is Nudge Theory in Change Management | CMI," *CMI*, Jan. 18, 2020. <https://changemanagementinsight.com/nudge-theory-in-change-management/>
- [10] S. M. Smith, "The Satir Change Model," *stevenmsmith.com*, Oct. 04, 1997. <https://stevenmsmith.com/ar-satir-change-model/>
- [11] B. Dykes, "Why Change Management Skills Are Essential To Data-Driven Success," *Forbes*, 2022. <https://www.forbes.com/sites/brentdykes/2022/11/29/why-change-management-skills-are-essential-to-data-driven-success/>
- [12] J. T. and S. Rains, "Data-Driven Change Management for Distributed Decision Making." <https://www.bluemargin.com/ttd/change-management-and-the-power-of-data-for-distributed-decision-making>.
- [13] "The Impact of Business Intelligence in Decision-Making," *kyligence.io/plp*. <https://kyligence.io/plp/business-intelligence-in-decision-making/>
- [14] S. Rains, "Data Transformation and Change Management." <https://www.bluemargin.com/ttd/data-transformation-and-change-management> .
- [15] B. Dykes, "Why Change Management Skills Are Essential To Data-Driven Success," *Forbes*, 2022. <https://www.forbes.com/sites/brentdykes/2022/11/29/why-change-management-skills-are-essential-to-data-driven-success/>
- [16] "Data-Driven Change Management Strategies | Cprime Blogs," *www.cprime.com*. <https://www.cprime.com/resources/blog/data-driven-change-management-strategies/>
- [17] "Business Intelligence and Data Engineering," *amazon.jobs*. <https://www.amazon.jobs/content/en/job-categories/business-intelligence-data-engineering>