

Workforce Analytics for Impact

Overcoming challenges in building HR analytics functions and harnessing the true power of your workforce data.

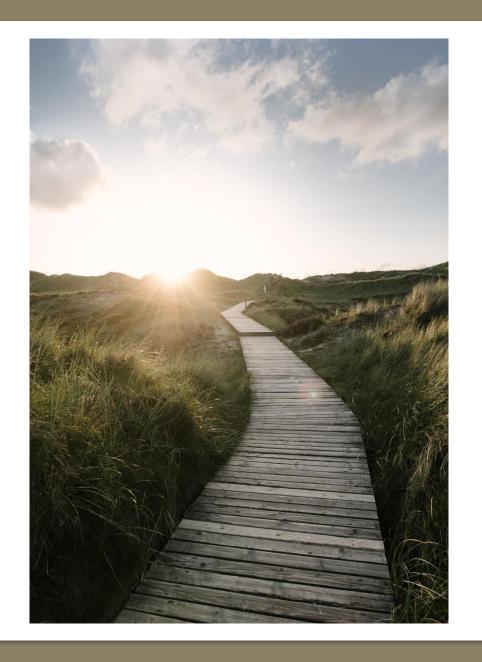
Dana Minbaeva, Professor of Strategic Human Capital



Nordic Human Capital Advisory Nordic

Evidence-based management

https://nhca.dk/



Definitions

- Workforce Analytcs (WA) involves quantitative and qualitative analyses of data or information concerning the individuals employed by an organization, their tasks, roles, relationships, and contributions to organizational outcomes.
- It explores how individuals collectively engage in their work, the impact their work has on them, and their contributions to job, team, unit and organizational performance

Data-Information-Knowledge Hierarchy KNOWLEDGE INFORMATION DATA

HIGH

Source: Nygaard and Minbaeva (2020)



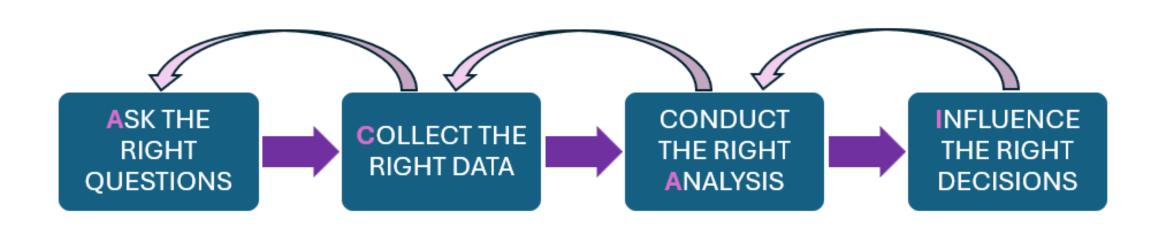


Phase 1: Ask the right questions

Phase 2: Collect the right data

Phase 3: Conduct the right **A**nalyses

Phase 3: Influence the right decisions



Push & Pull

Push factors

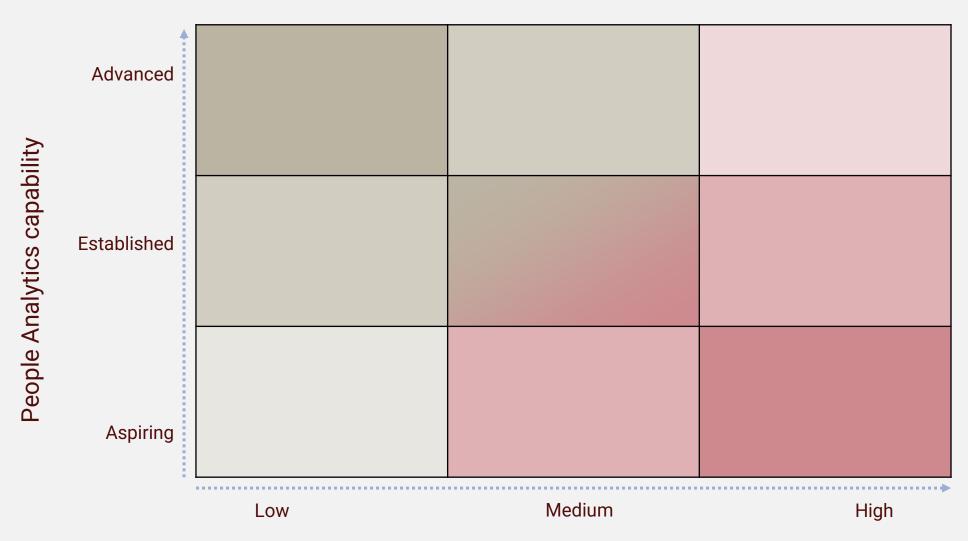
- Relevant proper knowledge, skills, abilities, and other characteristics (KSAOs)
- Data quality procedures and processes in place
- Ability to partner with the business.

Pull factors

- Analytical Requests Derived From the Digitalization of Business Processes
- Analytical and Data-Driven Culture

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Organizational demand for People Analytics

Levels of WA Capabilities

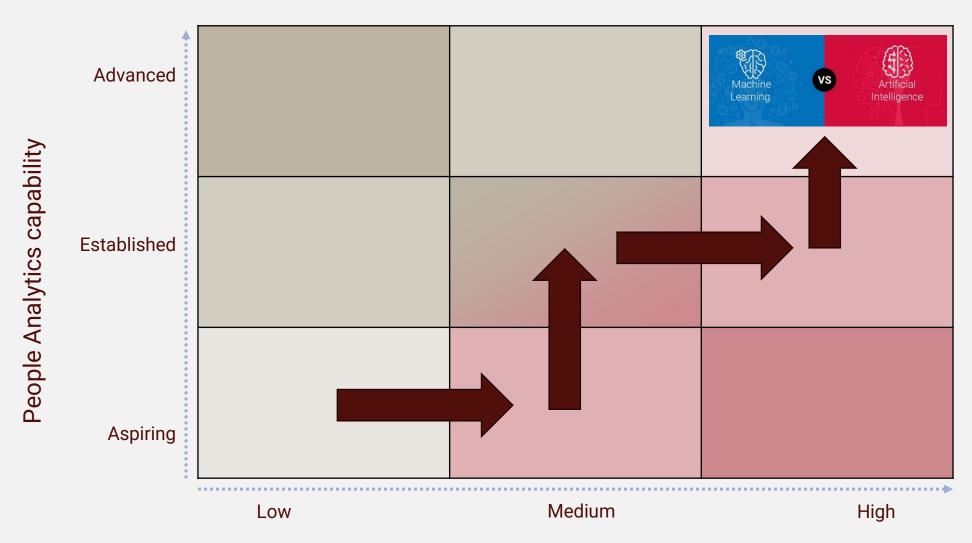
	Aspiring	Established	Advanced
Analytical Competencies:	Uses reporting tools via HCM interface, basic visualization skills. is an Excel superuser.	Enables trusted diagnostic reporting and delivers insights via dynamic BI tools.	Bespoke predictive analytics, produced with SPSS, Stata, R, Python, or similar software; open to experimentation with AI and ML.
Data Quality and Processes:	At best, uses clean and reliable data, typically from just a single source (e.g., HCM system).	Uses data from multiple sources, which are organized and transformed within a single environment, e.g., DW/SQL.	Uses structured and unstructured data from across business functions, with high-volume data processing tools.
Business Partnering Ability:	Delivers basic HR reporting leading to increased understanding. Limited decision-making impact.	Offers advanced insights to leaders and HRBPs that may guide some operational and tactical decision-making.	Influences business planning or HR strategy. Offers tactical sparring and hypothesizing about foreseen HRM issues.

Organizational Demand for WA

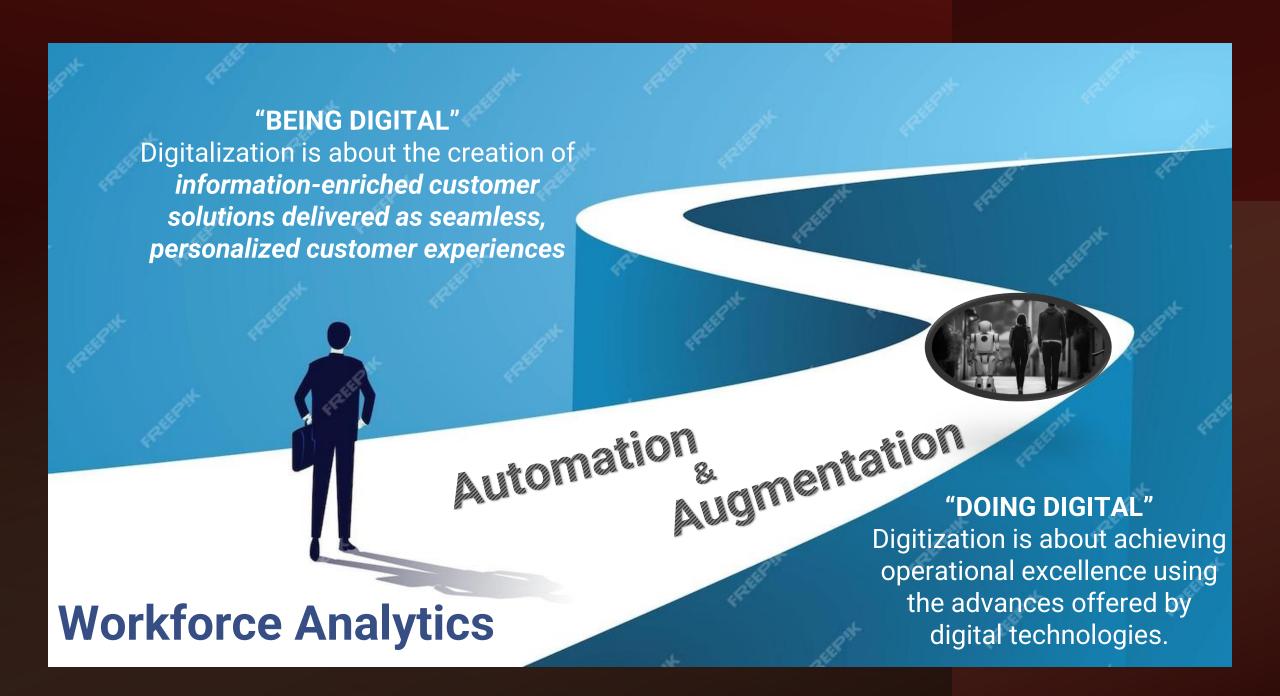
	Low	Medium	High
Analytical Requests Derived from the Digitalization of Business Processes:	Reporting figures (e.g., head count trends, hires, promotions, and exits), internal comparisons. Teams or functions review HR data	Linking HC KPIs to organizational priorities (e.g., time to hire). Linking HC practices to costs using external benchmarks, insights into employee experiences. Functions or BUs apply insights.	Knowledge about internal collaboration patterns and networks. Linking the root causes of HC issues to business outcomes. Forecasting, simulating HC impacts of business scenarios. BUs or enterprise adapt significant changes.
Analytical and Data- Driven Culture	Limited implementation of data and analytics for decision-making. Decisions based on personal experience rather than evidence. Reactional decision-making processes.	Functional or BU decisions based on data and analytics. Analytics focus on answering functional or unit challenges. Analytical and data-driven culture enacted by functional or BU leader.	Strategic business decisions encompass data from all facets of the organization. All and ML outputs highly influence strategic decisionmaking and change management activities.

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Organizational demand for People Analytics



HR and technology

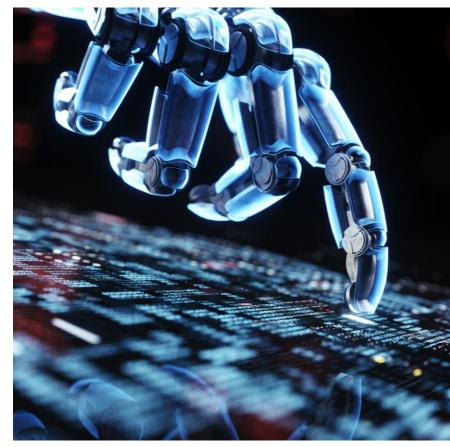
Automation vs augmentation

- AI-based automation is a choice driven by arguments regarding rationality and efficiency.
- Augmentation, on the other hand, is a co-evolutionary process during which humans learn from machines and machines learn from humans

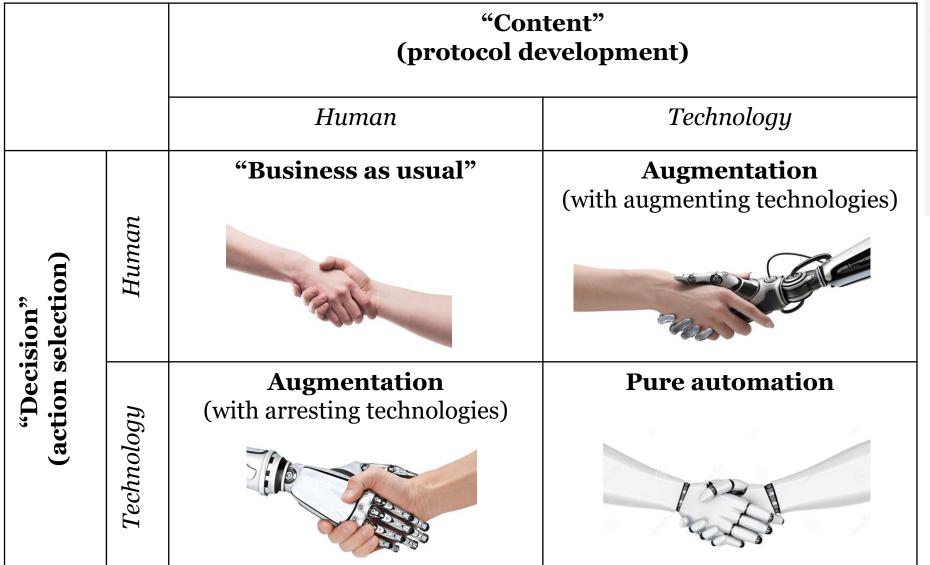
There are paradoxical tensions between augmentation and automation

Overemphasizing one of the two will have negative organizational and societal outcomes.

With the arrival of digital technologies, focusing on individuals alone may be too limited.





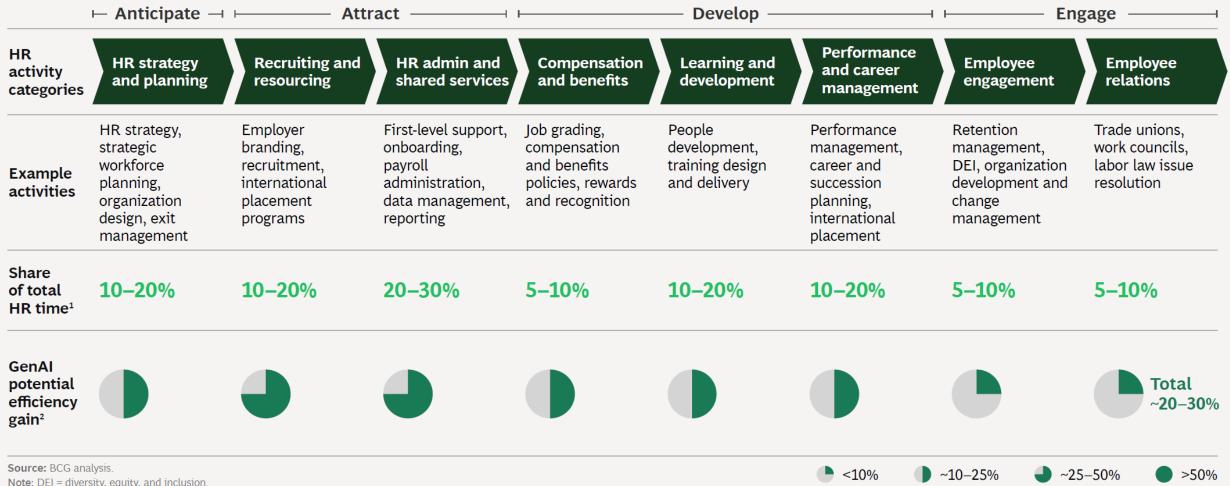








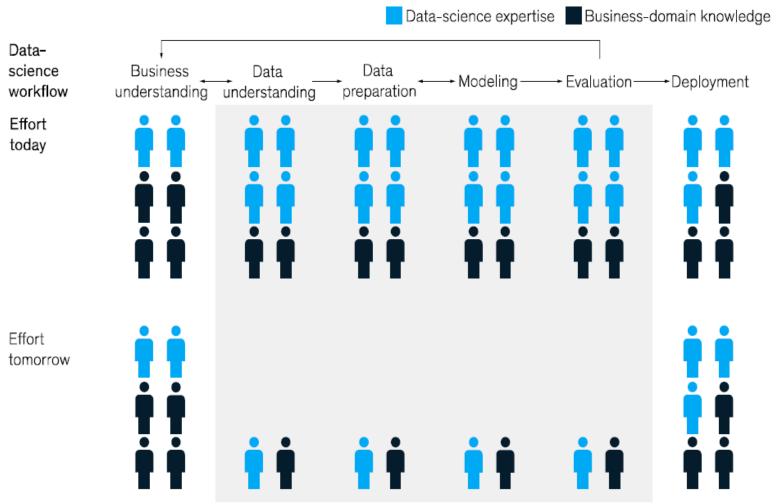
HR transformation | GenAI has the potential to drive about 30% increased productivity across the HR value chain in the near term



Note: DEI = diversity, equity, and inclusion.

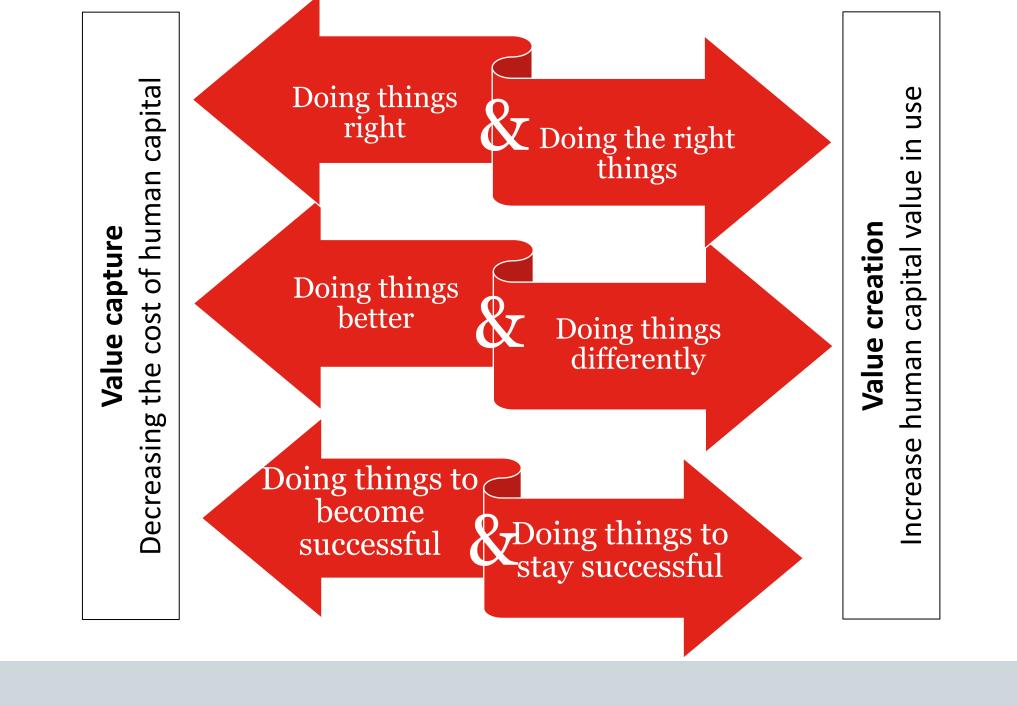
¹Estimates based on BCG's support function benchmarking data for the past five years (June 2023). ²Estimates based on potential efficiency gains from automation of processes addressed by GenAI tools, on the basis of the anticipated maturity of GenAI tools in the next 6 to 12 months; average figures, subject to variation depending on industry and company specifics including degree of current digitization and where activities occur today.

AutoML changes the mix of talent needed.



McKinsey & Company

Heavily affected by AutoML







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Disrupted HR?

Dana Minbaeva

Department of Strategy and Innovation, Copenhagen Business School, Denmark

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ABSTRACT

In this paper, I discuss possible avenues for future research almed at bridging the researchprentice gap on the topic of dirruptions in human resources (HR). I focus on three global propertured—the flexible workforce, the digitalization of business models, and artificial intelligence and machine learning—and examine their influence on the field of human resource management (HRM) in general and in the content of the OVDU-19 pandemic. I discuss why HRM research has overlooked potential paradigm-shifting possibilities that could ultimately equip HR prestitioners with the knowledge needed to respond to disruptions caused by these mean tends.

1. Introduction

"Disruption"—the Cambridge Dictionary defines it as "an interruption in the usual way that a system, process, or event works," and as something that prevents the system, process, or event, from "continuing as usual or as expected" (Cambridge Dictionary, 2020). Numerous consultancy reports warn human resources (IRR) professionals about the need to deal with disruptions, such as the digital revolution, automation, artificial intelligence (AI), and the like. In fact, the term "inture of work" entered the IRR vocabulary to capture the uncertainty and ambiguity surrounding changes in work, the workforce, and the workplace that must take place to close the gaps between technological advancements and employers' current skills. Within organizations, leaders are preoccupied with business transformations and demand support from IRR in making those transformations happen. In 2017, Delotities Globel Human Caphul Trends report provided the results of a survey of more than 10,000 IRR and business leaders, which confirmed that these demands are viewed as reasonable and that IRR has a unique role to play in closing the gaps among technology, individuals, businesses, society, and governments (Delotine, 2017); see Fig. 2 in the report, The report argues that all IRR needs to do is rewrite its own rules. Three years and thousands of falled business transformations later, IRR professionals still do not know which rules should be rewritten and why. What are the disrupters? What is being disrupter? Why should IRR professionals pay attention and rewrite the tenles?

In their search for answers to these questions, IIR professionals turn to researchers in the field of human resource management (IRM)—researchers who study he processes of "developing, applying and evaluating policies, procedures, methods and programs relating to the individual in the organization" (Miner & Crane, 1995; 5). Unfortunately, as a research field, IRM has more questions that answers, as demonstrated by the numerous calls for special issues on the topics of disruption, transformation, and "strategic firm in the leading IR-related journals (see, e.g., the calls for papers for Human Resource Management special issues on "the resource Management in the Ear of Environmental Disruptions," and "The Ecosystem of Work and Organization Technical Parameworks and Puture Directions"). The research practice gap on the topic of disruptions in IRR is wide and broadening (Deadrick & Gibbon, 2009; DeNist, Wilson, & Bitmann, 2014).

This paper aims to identify possible avenues for future research with the aim of bridging the research-practice gap on the topic of disruptions in HR. In contrast to previous attempts (Deadrick & Gibson, 2007), my starting point lies in the practice space. Specifically,

E-mail address: dm.si@cbs.dk.

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Get in touch: dana.minbaeva@kcl.ac.uk www.nhca.dk This is a chapter from the forthcoming book

"WORKFORCE ANALYTICS: A GLOBAL PERSPECTIVE"

edited by Martin Edwards, Mark Huselid, Alec Levenson and Dana Minbaeva.

Chapter 7

Building the Workforce Analytics Function

Steven McCartney, University College Dublin, Ireland

Dana Minbaeva, King's Business School, King's College London, UK; and Copenhagen

Business School, Denmark.









