



The Invisible Ledger:

Governing Human
Capital in the Age of AI

Cory Ortiz-Steinle

[Subject Matter Expert, Office of the CFO](#)

The Governance Deficit: Why Businesses Know Little About Their Labor Spend

Key among most CEO's agendas is the [aggressive pursuit of AI and digital initiatives](#) to create value for their enterprises. Yet few businesses can quantify the impact of such initiatives, and many [AI pilots are failing](#). How can the modern Chief Financial Officer help chart the course, treating AI and digital investments as investments with quantifiable returns?

The [modern Chief Financial Officer \(CFO\)](#) operates at the nexus of not just technological disruption, but economic volatility, shareholder demands, and evolving regulatory landscapes. Their mandate extends far beyond mere cost management and compliance; they act as the organizational guardian of capital.

The central challenge CFOs face today is not the complexity of this moment, whether it be new tax policy or a generative AI breakthrough, but the sheer velocity and overlap of all these disruptive forces. To maintain financial confidence and chart a course toward sustained growth, the enterprise must be structured to act quickly and with confidence. In the context of human capital spend - one of the [largest costs](#) to businesses - this necessitates highly contextual, accurate, real-time granular data to inform decision-making.

THE BREAKING POINT: YOUR HR FUNCTION IS STRUGGLING TO DELIVER

Historically, Strategic Workforce Planning (SWP) sits in the HR function, largely due to the headcount impact. We propose Strategic Workforce Planning - with the right data - should sit in finance. Why? People are the largest cost to your business, and that cost could be more rigorously managed through the CFO's office.

Strategic Workforce Planning are hampered by fundamental limitations in data quality and accessibility. Many organizations operate with simple headcount and role-title data, lacking granularity into the specific task-level data being done across every role in the organization. Furthermore, this planning has traditionally relied on fixed, annual cycles and template-driven processes that fail to reflect the management needs and dynamic environment of individual business units.

This reliance on aggregate data introduces risk and inefficiency. In most contexts, artificial intelligence use cases augment and change work. In very few instances - with capabilities today - does artificial intelligence entirely automate or eliminate work, although research suggests in the not-so-distant future, [AI may evolve to automate more complex tasks](#).



The “Cost of Carry” of Misaligned Capital

When workforce data is slow or relies only on broad metrics like job titles and headcount figures, organizations lose the ability to dynamically adjust their human capital. This static, generalized view of labor, dictated by fixed organizational charts and aggregated planning assumptions, results in what can be termed the “cost of carry” for human capital. This describes the financial burden of paying salaries for work hours (capital) that are misallocated, functionally redundant, or dedicated entirely to low-value, administrative tasks. This capital is trapped, resulting in diminished overall profit through ‘bloated’ cost structures.

The paradigm shift required for competitive advantage in the current climate is moving away from planning for a single, predicted future to preparing the enterprise for many possible futures. This requires a focus on the ability to deploy human capacity and capabilities in real time, shifting the right people and skills to the most critical work with speed. This mandate involves modeling the organization based on granular tasks, required skills, and measurable outcomes, rather than relying on historical job titles or headcount history. The generation of this data - referred to as Work Intelligence - provides the critical translation layer, ensuring that every investment in talent is immediately and dynamically optimized against current business objectives.



Case Study



CASE STUDY 1:

Evaluating a back-office function of a global bank

A large global bank recently leveraged Work Intelligence to assess whether capital restructuring was necessary in one of its largest back-office functions.

The selected back-office function had grown substantially in headcount in the prior 10 years due to evolving regulatory requirements in multiple geographies. The bank’s executive team - including the P&L holder over the back-office function - were interested in understanding if the function’s headcount had scaled too aggressively in previous years, and where opportunities might arise for strategic redeployment of human capital out of the back-office and into open roles in-demand across the rest of the business.

Work Intelligence inferred the tasks undertaken in the selected function, and selected additional functions with similar work. The analysis helped identify a \$100M cost redeployment opportunity, with 50% of that redeployable capacity available simply due to horizontal and vertical duplication of work across the selected function and other areas of the business. The bank was then able to redeploy selected personnel into tasks and roles more closely linked with revenue generation.

Yesterday's pain: Post-merger integration

Let's consider an example of Work Intelligence's relevancy top of mind for most CFOs - an acquisition.

Mergers and Acquisitions (M&A) represent one of the highest-stakes financial events for any large enterprise. The CFO, tasked with delivering transaction value, must confront the reality that a significant majority—between [66 and 75 percent](#)—of M&A efforts fail to deliver their expected value. Historically, deal assessment focuses overwhelmingly on two questions: Can the organization afford the acquisition, and can it close the deal? This simplistic approach fails to consider the capacity to acquire has little bearing on the capacity to successfully integrate and own the new entity.

The rapid erosion of value post-close stems directly from workforce data blind spots. Key questions take months to answer imperfectly, through transformation partners and interview-based methodologies:

- Who from AcquireCo and TargetCo are constructively doing the same work, presenting deduplication opportunities?
- Where can automation or AI realize efficiencies?
- What roles are actually necessary for revenue production, and how do I retain those employees?



THE INADEQUACY OF SIMPLE HEADCOUNT DATA

Traditional synergy realization relies heavily on identifying overlapping job titles to project headcount reductions. But job titles are historically inflated or outdated. This blunt force approach is inherently flawed, often leading to integration plans that are crude and inaccurate - presenting both a revenue and cost risk. The reliance on job titles fails to account for the actual work being performed and the specific skills required.

For the financial leader, redundancy is fundamentally the duplication of work and functional capacity, not merely the presence of similar job titles. Only the rapid mapping of granular tasks, associated hours, and required skills across combined entities can identify the genuine functional overlap necessary for precision integration.



A NEW REALITY

Integration planning, if it is to succeed, must be an integral component of the deal process that runs parallel to the conceiving and valuing of the transaction. Yet human capital diligence is never a part of the plan, due to the simple lack of relevant and accurate data.

What if real-time, highly accurate data was available to understand both the tasks being executed across every role, the automation propensity and similarity of those tasks, and the skills required of employees to perform those tasks?

Work Intelligence transforms this dynamic by providing organizational ground truth with unprecedented velocity. By inferencing the combined tasks, total hours dedicated to those tasks, and the detailed skill maps of both enterprises - which can be done in less than one week with minimal HRIS extract and no personally identifying information (PII) - the technology provides the necessary data layer to validate synergy projections before Day 1. This velocity directly mitigates the financial cost of transformation and dramatically accelerates the capture of value by replacing subjective speculation with quantifiable, operational reality.



Today's moment: Opportunistic restructuring

CEO's are reckoning with a simple, difficult truth - even if my business is growing, and financial health is strong, there is a lingering feeling that the organization could be leaner with the emergence of incredibly strong, capable automation and AI technologies. We believe this predicates a new phenomena we term opportunistic restructuring.

There is a fundamental difference between historic antecedents of restructuring, and the emergence of opportunistic restructuring. Organisational restructuring, when guided by simple financial realities, is guided by a top down mandate - e.g., reduce the total cost of headcount by 15%. Work Intelligence remains highly relevant for this exercise, accelerating value capture by unearthing relevant task-level data and deduplication opportunities rapidly.

But when opportunistic restructuring is a mandate, organizations are optimising for a different question - how much cost can I cut without outweighing the expected revenue impact?

THE SHIFT TO OUTCOMES AND UNLOCKING HIDDEN CAPACITY

Opportunistic restructuring requires leaders to shift the organization's perspective from planning for a single, ideal future to preparing for a range of possible futures, demanding the ability to shift people and skills to high-priority work faster.

Work Intelligence provides the diagnostic blueprint for this optimization. By quantifying precisely which tasks consume employee hours, the analysis can classify capacity into core value-add activities, non-value-add overhead, or administrative tasks ripe for automation. This reveals the "hidden potential" and latent, underutilized skills that currently exist within the enterprise. This shift transforms restructuring from a punitive, top-down exercise into a strategic capacity initiative.





HOW - AND WHY - THIS IS POSSIBLE TODAY

Traditional restructuring risks inadvertently severing mission-critical capabilities by focusing reductions on generalized roles or departments - e.g., cutting 15% in finance, 25% in HR, and another 10% in R&D. Work Intelligence, which defines work by the required proficiency of skills for each task, is essential for taking a [talent-to-value approach](#).

Importantly, purely skills-based approaches to managing human capital have historically failed - and lacked relevance for real P&L owners in the business - because they lack descriptive context of the actual work happening. Interestingly, tasks provide a description of work in a language that can be easily assessed for revenue relevance by the business. For example - if a CEO is told that 21% of the business is highly proficient in communication, they lack context of how communication manifests in real work being done. But if a CEO is told that 21% of the business spends 5 hours a week executing the task of reporting on the work they are doing (and one of the skills required to effectively report is communication), and that this task is highly automatable, they may see a significant capacity opportunity to redeploy capacity towards tasks that actually contribute to a revenue goal.

Tasks have always been relevant - particularly in [academic literature](#) - but organisations' lacked an enterprise-wide inventory of tasks that they access in real-time. With Work Intelligence, that changes.

THE IMPLICATION FOR CFOS

As the guardians of capital, and the owner of financial data in the organisation, CFOs are uniquely positioned to provide opportunistic insights to their stakeholders.

A strong starting point can be assuming full ownership of strategic workforce planning subfunctions. By uniting the financial reality of human capital cost with the granularity of task and skill-level insight, CFOs can serve their customers - CEOs, boards, and the rest of the executive leadership team - with insights that contribute to real bottom-line impact.

For the CFO, this shift represents a significant opportunity to increase their strategic relevance. By linking capital expenditures not to generalized categories but to quantifiable future task needs, organizations maximize the return on human capital investment and see real impact across their financial statements.

Tomorrow's demand: Proving ROI and Governing Digital Capital Allocation

The acceleration of AI and generative AI deployment has placed intense pressure on the CFO to prove measurable returns on digital investments. Many promising AI and GenAI programs stall, not due to technical capability, but because the organization lacks the necessary governance frameworks, auditable controls, and quantifiable baselines required for risk, explainability, and compliance.

QUANTIFYING ADDRESSABLE SPEND: THE TASK-LEVEL NECESSITY

The most significant flaw in traditional modeling for automation Return on Investment (ROI) is the reliance on broad job titles to estimate labor savings. This aggregation grossly overestimates the target labor pool because it fails to distinguish between tasks that are technically automatable and those that require irreplaceable human elements, such as social and emotional skills.

Work Intelligence solves this fundamental quantification problem. The analysis suggests that automation holds enormous potential: approximately [40 percent](#) of total US wages correspond to nonphysical work hours that are well-suited for automation, such as reasoning and information processing. When implemented successfully, Robotic Process Automation (RPA) initiatives yield average labor cost savings between 25–50%. Realizing these substantial financial returns depends entirely on establishing an accurate, task-level baseline.

CREATING AN AUDITABLE AI CAPEX BASELINE

From a financial governance perspective, the deployment of AI should be treated as capital expenditure and must meet rigorous requirements for financial auditability. Work Intelligence provides the precise, necessary components for this audit trail: the identification of specific Tasks Completed → the Hours Spent on those Tasks → the Automation Propensity of each Task → the Associated Wage Spend.

This comprehensive task-to-wage mapping transforms estimated, subjective labor savings into a provable, quantifiable, and auditable baseline for AI ROI. This capacity to accurately measure the target labor cost of automatable tasks is the essential governance layer required to enforce capital discipline and oversee digital investment.

MODELING AUGMENTATION AND RESKILLING INVESTMENT

The financial calculation for digital initiatives must extend beyond simple labor replacement (automation) to encompass labor enhancement (augmentation). By analyzing the tasks that remain post-automation, Work Intelligence identifies the new skills and enhanced proficiency levels required for human workers to effectively partner with, and manage, AI agents.

This shifts capital allocation strategy. Instead of focusing solely on the technology purchase price (CapEx), the finance function can strategically fund the necessary human adaptation (OpEx). This ensures the workforce is prepared to leverage the new technology to maximize its value capture, recognizing that two-thirds of essential skills are expected to change as a result of technological shifts.

CASE STUDY 2:

Developing an enterprise AI strategy using Work Intelligence

A large global manufacturing organization recently utilized Work Intelligence to map work at a task-level across three non-commercial functions. Automation and augmentation potential of work today varied from 25% to 45% of the given tasks being executed.

The global leadership team used this data to quantify the addressable spend & efficiency gains available - more than \$200M in global productivity, should AI be fully utilized. However, recognizing multiple technologies may need to be procured - which requires organizational capital (social, political, and economic) - the leadership team leveraged task-level insights to understand which few sets of technologies were likely to create the largest gains across multiple functions. This data was then used to quantify the value at stake to justify a large transformation program, which included upskilling initiatives and the procurement of new technologies. Moreover, entry-level hiring targets were rightsized between 10-20% across each function to reflect how work is expected to change in the coming years.



The Velocity Advantage: Data Liquidity as a Competitive Financial Weapon

For the CFOs of the Global 100, the speed and low friction of implementation are as crucial as the accuracy of the data itself. A primary historical challenge in Strategic Workforce Planning is the complexity of data integration, accuracy, and lengthy time-to-value. Implementing organizational analysis traditionally involves long, costly technical integrations that present their own set of risks and delays.

DE-RISKING IT DEPLOYMENT

Work Intelligence provides a significant advantage by minimizing IT friction and accelerating time-to-value. The ability to inference the entire enterprise structure—including all employee tasks, associated hours, automation propensity, and required skills/proficiency levels—in less than one week using a simple, flat-file HRIS extract (non-PII) bypasses major technical and governance hurdles.

For the Chief Financial Officer, time-to-value is a financial necessity, not merely a convenience. This speed is critical for mitigating integration risk. It transforms an organizational audit from a year-long, complex project into a routine governance mechanism. The immediate access to organizational ground truth allows organizations to capture the substantial financial benefits of real-time optimization immediately, rather than waiting for extended IT deployments.



REAL-TIME MODELING FOR CONTINUOUS CAPITAL ALLOCATION

The ultimate objective is to move beyond periodic, fixed planning and manage the workforce as a dynamic, responsive portfolio asset. Rapid, low-friction inference capability ensures that organizational modeling becomes a continuous exercise, mirroring the dynamic agility with which finance teams manage financial portfolios against daily market changes.

This high degree of organizational data liquidity ensures that all high-stakes financial decisions—from the minute-by-minute resource reallocation during restructuring to the validation of synergy targets in M&A, and the funding of critical AI pilots—are always grounded in the most current, granular functional reality of the enterprise. This continuous optimization is the foundation of genuine competitive agility in a volatile global market.

A photograph of a man and a woman in an office setting. The man, on the left, has dark hair and a beard, wearing a blue button-down shirt. The woman, on the right, has dark hair pulled back, wears glasses with a tortoiseshell pattern, and a white ribbed top. They are both smiling and looking down at a laptop screen, which is partially visible at the bottom of the frame.

Conclusion: The Rise of the People-Oriented CFO

The sheer scale of human capital expenditure in a global enterprise necessitates that the finance function demands the same level of granularity, auditability, and liquidity for labor data that it requires for supply chain, assets, and capital markets. In the face of intensifying volatility, shifting skill requirements, and the pressure to prove returns on rapidly deployed digital investments, historical and aggregate human capital data is no longer adequate for strategic decision-making.

Work Intelligence provides the essential layer of organizational truth necessary for modern governance. By rapidly quantifying the enterprise at the task, hour, and skill proficiency level, it moves human capital data from the realm of opaque HR metrics into quantifiable, strategic financial modeling.

For the Chief Financial Officer, leveraging this deep organizational intelligence is the essential prerequisite to de-risk the highest-stakes financial events (Post-Merger Integration), ensure absolute capital discipline (GenAI), and achieve genuine, continuous organizational agility (Restructuring). It equips the financial leader with the tools necessary to manage labor costs not as a static budget line item, but as a dynamic strategic portfolio optimized for continuous, measurable value creation.



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