HUMAN CAPITAL AND KNOWLEDGE ECONOMY: THE WORLD BANK'S METRIC REDUCTIONISM IN THE DIGITAL ERA

Özlem KÜÇÜK [1]

Abstract

This study critically examines the World Bank's evolving human capital framework within the broader context of the knowledge economy and digital transformation. Through a systematic analysis of World Development Reports (1978–2025), it reveals a sustained paradigm shift from a social development-oriented conception of human capital toward an increasingly economized and metric-driven model, culminating in the Human Capital Project (2017) and Human Capital Index (2018). This metric reductionism reframes human potential as standardized productivity scores, obscuring structural inequalities and redistributing the burden of economic uncertainty onto individuals through lifelong reskilling. Case evidence from Indonesia, Nigeria, and Pakistan demonstrates how the single-metric architecture conceals regional disparities and undermines substantive educational opportunities. In contrast, the UNDP's Human Development Report 2025 foregrounds agency and capabilities, highlighting the divergence between economized measurement and human freedom. For educational leaders, the challenge lies in mediating between global indicator-based frameworks and local realities, ensuring that innovations expand substantive opportunities, not constrain them within technocratic boundaries. The article advocates for a structurally sensitive reconceptualization of human capital that integrates measurement with contextual, institutional, and distributive dimensions, positioning educational leadership as a critical site of negotiation between global comparability and local relevance.

Keywords: Human Capital, Metric Reductionism, Educational Leadership, Global Governance, Human Capital Index, World Bank, Digital Transformation, Knowledge Economy

JEL Codes: J2, J8, I2, I3, O3, O4, O15, Z11

İNSAN SERMAYESİ VE BİLGİ EKONOMİSİ: DİJİTAL ÇAĞDA DÜNYA BANKASI'NIN ÖLÇÜT İNDİRGEMECİLİĞİ

Özet

Bu çalışma, Dünya Bankası'nın insan sermayesi çerçevesini bilgi ekonomisi ve dijital dönüşüm bağlamında eleştirel bir bakışla incelemektedir. 1978–2025 yılları arasındaki Dünya Kalkınma Raporlarının sistematik analizi, insan sermayesinin sosyal kalkınma odaklı bir anlayıştan giderek ekonomikleştirilmiş ve metrik temelli bir modele kaydığını, bu dönüşümün İnsan Sermayesi Projesi (2017) ve İnsan Sermayesi Endeksi (2018) ile kurumsallaştığını göstermektedir. Bu "metrik indirgemecilik", insan potansiyelini standartlaştırılmış verimlilik skorlarına indirgerken yapısal eşitsizlikleri görünmez kılmakta ve ekonomik belirsizlik yükünü sürekli yeniden beceri kazanma yoluyla bireylere aktarmaktadır. Endonezya, Nijerya ve Pakistan örnekleri, tek metrikli mimarinin bölgesel farklılıkları gizlediğini ve eğitimde gerçek fırsatları sınırladığını ortaya koymaktadır. Buna karşılık, UNDP'nin 2025 İnsani Kalkınma Raporu, bireysel özgürlük ve yetkinlikleri öne çıkararak ölçüm odaklı yaklaşım ile insan özgürlüğü arasındaki ayrışmayı göstermektedir. Eğitim liderleri için temel zorluk, küresel gösterge temelli çerçeveler ile yerel gerçeklikler arasında arabuluculuk yaparak teknolojik ve politik yeniliklerin gerçek fırsatları genişletmesini, daraltmamasını sağlamaktır. Çalışma, ölçümü bağlamsal, kurumsal ve dağıtımsal boyutlarla bütünleştiren yapısal duyarlılığa sahip bir insan sermayesi yaklaşımını savunmakta ve eğitim liderliğini küresel karşılaştırılabilirlik ile yerel bağlam arasında kritik bir müzakere alanı olarak konumlandırmaktadır.

Anahtar Kelimeler: Dünya Bankası, İnsan Sermayesi, Metrik İndirgemecilik, Eğitim Liderliği, Küresel Yönetişim, İnsan Sermayesi Endeksi, Dijital Dönüşüm, Bilgi Ekonomisi

JEL Kodları: J2, J8, I2, I3, O3, O4, O15, Z11

[1] Dr. Öğr. Üyesi Kocaeli Üniversitesi Turizm Fakültesi, ozlem.kucuk@kocaeli.edu.tr

Gönderim/Kabul Tarihi:26 Nisan 2026/11 Haziran 2026, Submitted/Accepted Dates: April 26, 2026/ Jun 11, 2026

Introduction

The World Bank has long played a central role in shaping global education policy through its financial influence and normative frameworks. In recent decades, this role has deepened through an increasing emphasis on educational technology (EdTech), data-driven governance, and human capital development. These shifts raise critical questions for educational administration and leadership, particularly in how global policy frameworks reshape local governance practices and institutional decision-making processes. The concept of human capital, rooted in classical economic thought and further developed by twentieth-century theorists such as Becker, Mincer, and Schultz, has traditionally emphasized the role of education and skills in enhancing productivity. However, in the context of rapid technological transformation, this concept has been reframed to prioritize standardized performance indicators, employability, and alignment with labor market demands (Ramlan et al., 2007).

Since the 2000s, the World Bank's approach—reflected across successive World Development Reports—has evolved through a series of shifts: from expanding access to prioritizing learning outcomes, from addressing the changing nature of work to confronting middle-income development challenges. These shifts collectively reinforce a skills-oriented and technology-driven vision of education systems. While these frameworks offer valuable insights, they also reflect an increasing reliance on standardized, data-driven metrics to assess educational performance and human capital development. This study conceptualizes this tendency as metric reductionism, referring to the simplification of complex educational processes into narrow sets of measurable indicators.

In response to post-pandemic educational challenges, some scholars have called for new policy analysis tools to evaluate national education systems, such as the International Education Index (IEI), which aims to help governments 'build back better' through standardized benchmarking across nine indicators (Clark et al., 2022). However, this article adopts a more critical stance, aligning with recent critiques in educational administration that question the growing reliance on global metrics. As Püsküllüoğlu (2023) contends, such frameworks often obscure local complexities under the guise of objective measurement. Building on this critique, this study conceptualizes the World Bank's Human Capital Index (HCI) and analogous tools as manifestations of what we term metric reductionism—a paradigm that prioritizes comparability and economic efficiency over institutional relevance, cultural diversity, and contextually grounded educational priorities.

This article argues that the World Bank's evolving human capital strategy, while responsive to technological change, has progressively narrowed the conceptualization of education by prioritizing standardized performance indicators over broader educational purposes. The HCI does more than simply link education and health to future productivity; it strategically positions global benchmarking at the core of the development agenda, transforming comparative analysis into a tool for shaping both global and national policy priorities. By ranking countries on education, health, and survival, the HCI consolidates the World Bank’s authority in global governance. Yet this framework reduces complex social realities and rights-based concerns to narrow performance indicators. This reductionist logic intensifies the focus on outcomes, yet simultaneously erases context, equity, and the broader social purpose of education (Dzadzua, 2023; Mundy & Verger, 2016).

Evolution of the World Bank's Human Capital Framework

Human capital has become a central pillar in the World Bank's development agenda, particularly in its efforts to link education, skills, and technological transformation to economic growth. Broadly defined as investments in individuals' knowledge, skills, and capacities, human capital is positioned as essential for productivity, innovation, and adaptability in a rapidly evolving global economy. Beyond its economic framing, the concept has significant implications for educational governance and leadership, as it increasingly shapes policy priorities, institutional practices, and performance expectations within education systems (Filmer et al., 2018).

The intellectual foundations of human capital can be traced from classical economic thought to contemporary interdisciplinary expansions. Early insights from Adam Smith emphasized the productive value of skills and knowledge, later formalized by Becker (1964), Mincer (1974), and Schultz (1961), who conceptualized education and training as measurable investments with economic returns. While this economic perspective foregrounded productivity and efficiency, subsequent sociological contributions expanded the concept's scope. Bourdieu (1986) introduced social and cultural capital to highlight how inequalities in access, networks, and cultural knowledge shape educational and life outcomes, while Ferguson (1990) critiqued development frameworks for depoliticizing structural inequalities by reframing them as technical problems. Together, these perspectives provide a critical lens for understanding how human capital policies may both enable and constrain equitable development, particularly when reduced to standardized and technocratic measures.

As global frameworks increasingly shape national education agendas, educational leaders are required to navigate tensions between standardized performance expectations and institutional and community-specific realities. Critiques of the World Bank's approach highlight the risk that human capital policies—if driven primarily by metrics—may overlook structural inequalities, local knowledge systems, and socio-cultural dynamics. These concerns are reflected across critical development literature, particularly in analyses of how global policy frameworks reproduce existing hierarchies rather than transforming them (see Table 1).

As shown in Table 1, critical development theorists provide valuable insights into how global policy frameworks intersect with local realities. For educational leaders, these critiques underscore the importance of questioning standardized approaches and recognizing the socio-political dimensions of human capital strategies. Building on these critiques, Bond's (2000) concept of 'elite transition' suggests that human capital–driven reforms may reconfigure rather than eliminate structural inequalities, producing new forms of technocratic dominance.

Table 1. Expanded Critical Convergence: Bond's Elite Transition through the Lenses of Critical Development Theory

Critical Framework Source	Core Theoretical Critique	Application in Bond's South Africa Analysis	Key Linkage and Outcome
James Ferguson: The Anti-Politics Machine	Development institutions convert structural/political problems into technical issues to depoliticize them and expand bureaucratic control (Ferguson, 1990).	The shift from the pro-poor RDP to the neoliberal GEAR was justified as a 'technical necessity' for macroeconomic stability.	Depoliticization: Developmental discourse reduced to economic frameworks, overlooking racial and political structures.
Jason Hickel: The Myth of Endless Growth & Unequal Exchange	The global capitalist system is inherently polarizing. Growth policies ignore structural extraction of value from the Global South (Hickel, 2017).	Post-Apartheid government prioritized global economic integration over structural transformation or 'delinking.'	Entrenched Inequality: Growth failed to dismantle economic legacies, deepening class apartheid.
Samir Amin: Peripheral Capitalism	Periphery economies serve the needs of the Centre, hindering autonomous accumulation (Amin, 1976).	Transition maintained capital's control over assets and facilitated capital flight, ensuring reliance on the Centre.	Structural Continuity: South Africa's peripheral status reproduced; unequal accumulation persists.
Suzanne Bergeron: Feminist Finance Critique	Neoliberal metrics overlook social reproduction (care work), increasing burdens on women and marginalized groups (Bergeron, 2003).	Austerity under GEAR led to cuts in basic services, shifting care deficits onto township women.	Gendered Inequality: Financialization intensified gendered and spatial inequality, penalizing social reproduction.
Lant Pritchett: HCI/Learning Validity Critique	Critiques global metrics for measuring inputs rather than outcomes. ‘Schooling is not learning’ (Pritchett, 2013).	Despite high spending and near-universal enrollment, South Africa shows severe internal learning inequalities.	Metric Failure: HCI-type metrics mask racialized quality gaps; structural quality failures persist under elite transition.

What unites these seemingly disparate critiques—from Ferguson's (1990) depoliticization thesis to Pritchett's (2013) learning validity critique—is a shared concern with how global governance frameworks systematically displace structural and contextual realities in favor of technical, measurable indicators. Bond's (2000) 'elite transition' synthesizes these insights, showing how human capital reforms under neoliberalism reconfigure rather than dismantle inequality, producing new forms of technocratic dominance that this study terms metric reductionism.

1. Technology Integration and Human Capital

The World Bank has increasingly positioned technology integration as a key driver of human capital development, particularly in low- and middle-income countries. Digital platforms, e-assessment systems, and data analytics are promoted to expand access, monitor student performance, and strengthen institutional capacity. While these initiatives hold transformative potential, they also generate unprecedented volumes of traceable data—transforming students into measurable units of performance and further entrenching indicator-based governance. Digital learning platforms, while expanding access, simultaneously embed metric reductionism at the classroom level, aligning individual learner trajectories with the same standardized, economically oriented frameworks that govern national policy. For educational leaders, the challenge lies not only in adopting these technologies but in ensuring equitable implementation, teacher empowerment, and context-sensitive governance that resists the reduction of learning to data points.

2. Strategic Vision for Human Capital

The World Bank's strategic vision positions education as a central mechanism for economic growth, social inclusion, and long-term resilience. At its core is an integrated understanding of human capital that connects education with health, nutrition, and social protection—reinforced through the Human Capital Project and the Human Capital Index. Cases such as Turkey and Vietnam illustrate how this vision is translated into practice: emphasizing skills alignment with labor market demands, improving job quality, and expanding access to education and training. However, these cases also reveal the limitations of standardized frameworks in addressing context-specific inequalities and institutional diversity. Yet as the Turkey case demonstrates (Küçük, 2023), skills alignment reforms, while improving certain labor market indicators, simultaneously intensify data reporting burdens on local institutions without proportionally expanding substantive educational opportunities for marginalized populations. As global labor markets are reshaped by digital transformation and automation, the World Bank increasingly promotes continuous learning and workforce adaptability. Yet this strategic orientation simultaneously reinforces reliance on standardized performance indicators—raising critical questions about the balance between global comparability and institutional relevance that educational leaders must navigate daily.

Findings

The findings reveal that the World Bank's human capital discourse has shifted through distinct phases: from efficiency-driven productivity models in the 1980s, to multidimensional frameworks of poverty reduction and institutional reform in the 1990s and 2000s, and finally to digital transformation and global comparability in the 2010s and beyond. While this trajectory suggests an expansion in scope, the analysis shows that it has simultaneously narrowed the operationalization of human capital into standardized, indicator-based frameworks—revealing a transformation not only in policy instruments but in the underlying governance logic itself. Three

critical tensions emerge: the skill-structure paradox (skill investment without commensurate labor demand), the power and informality problem (skills failing to translate into wages in weak bargaining contexts), and the deepening of digital inequality (digital skills benefiting already-privileged groups). Taken together, these tensions constitute what this study terms metric reductionism—a governance logic in which what can be measured displaces what matters locally. The following three findings trace how this logic has been constructed, consolidated, and expanded across four decades of World Development Reports.

Finding 1: From Social Welfare to Economic Instrument (1980s–2000s)

Human capital initially emerged in the early 1980s as a limited, efficiency-oriented concept primarily framed in terms of productivity and national development capacity. As Table 2 illustrates, this trajectory moved from a narrow national resource model (1981–1989) to a multidimensional policy domain (1990–2016), incorporating poverty reduction, institutional reform, and social inclusion. Crucially, however, this apparent conceptual expansion also marks the early consolidation of a more structured policy language, in which education, health, and skills became progressively aligned with global economic integration and labor market demands. Three sub-phases are notable. In the 1990s, human capital moved from pure productivity to include education and health as fundamental rights, linking domestic capabilities to international market access. In the 2000s, influenced by Sen's capabilities approach, the focus shifted from income poverty to agency and resilience. By the 2010s, gender equality (WDR 2012), jobs and skills (WDR 2013), and digital transformation (WDR 2016) became central—asserting that human capital policies must co-evolve with technological change. Yet even as themes diversified, the underlying measurement logic intensified (Küçük, 2020).

Table 2. Evolution of Human Capital in World Development Reports (1978–2016)

Period	WDR Thematic Focus	Human Capital Framing	Representative WDRs & Key Data
1978–1989	Early development issues; national productivity	Human capital first mentioned (1981) as a national development resource. Framing is efficiency-oriented: education and training as inputs to economic output, with minimal attention to broader social dimensions.	WDR 1981 (first mention); WDR 1984 (7 mentions, population growth & crisis); Total: 16 mentions across the decade.
1990–2000	Poverty reduction; market integration	Human capital expands from national asset to social development lever. Education and health reframed as fundamental rights. Early linkage to global labor markets and international competitiveness.	WDR 1990 Poverty (29); WDR 1991 Challenge of Development (25); WDR 1995 Workers in an Integrating World (61); WDR 1998/99 Knowledge for Development (30).
2000–2009	Globalization; knowledge economy; institutions	Influenced by Sen's capabilities approach, focus shifts from income poverty to agency, voice, and resilience. Human capital embedded within institutional and social frameworks—but standardized language begins to dominate.	WDR 2002 Building Institutions (31); WDR 2003 Sustainable Development (30); WDR 2006 Equity & Development (49); WDR 2007 Next Generation (158); WDR 2009 Economic Geography (68).
2010–2016	Gender, skills alignment, digital transformation	Gender equality, jobs alignment, and digital readiness become central. Human capital asserted as co-evolving with technological change. Thematic diversification masks consolidation of an increasingly metric-based policy language.	WDR 2011 further expanded the human capital frame, positioning skill capital as a peace-building instrument that could break cycles of violence—anticipating WDR 2025's capacity-sensitive standards frameworkWDR 2012 Gender Equality (70); WDR 2013 Jobs (65); WDR 2016 Digital Dividends (20).

Achola (1990) shows that education policy in Zambia after independence was judged by implementation, efficiency, teacher supply, and curriculum relevance, with the primary school system expanding but still constrained by economy and capacity limits. Ribe et al. (1990) define poverty broadly to include literacy, nutrition, and health as well as income, and argue for labor-intensive growth plus basic social services as the main route to poverty reduction. Abouharb and

Cingranelli (2006), by contrast, show how World Bank structural adjustment agreements could undermine physical integrity rights, reminding readers that development policy was not only about growth and skills formation but also about the social and political costs of conditional lending.

Finding 2: The Consolidation of Metric Reductionism (2017–2025)

The post-2017 period marks a decisive shift: human capital is no longer merely a conceptual framework but a quantifiable, comparable, and governable asset. As Table 3 demonstrates, the Human Capital Project (2017) and the subsequent Human Capital Index (2018) operationalize human potential as a single productivity metric, framing children as future economic assets rather than rights-bearing citizens. Each subsequent World Development Report has contributed to this evolving architecture—from upskilling for labor mobility (2019) and data-driven governance (2021) to addressing brain drain (2023) and reframing standards as dynamic instruments (2025). Three patterns emerge. First, the HCI's quantification of human worth as expected future worker productivity constitutes a fundamental shift in global governance philosophy. Second, while individual reports acknowledge contextual limitations—such as the neglect of socio-cultural factors (2021) or failure to account for brain drain (2023) — these remain peripheral concerns rather than central design features. Third, the 2025 WDR's dynamic standards framework, while innovative, risks embedding human capital deeper into performance management regimes unless educational leaders actively steer it toward substantive opportunity.

Table 3. Global Market Dynamics and Investment in Skills Development: A Revised Human Capital Approach by the World Bank (2017–2025)

Year	WDR Title	Human Capital Significance & Critical Notes
2017	Governance and the Law / Human Capital Project	Mentions: 213. Whole-of-Government Approach: links ministries of finance, education, health, and labor to align policies for better human development outcomes. Most notably, redefines 'politics' from a taboo subject into a fundamental development factor. Provides finance ministers with economic (not merely moral) arguments for increased investment in education and health.
2018	Learning to Realize Education's Promise / Human Capital Index	Creation of a Universal Metric: the HCI operationalizes the expected productivity of a future worker for 174 countries, forcing a global conversation on health and education outcomes. Critical significance: reduces human worth to a single economically utilitarian metric, framing children not as rights-bearing citizens but as future economic assets. A fundamental shift in global governance philosophy.
2019	The Changing Nature of Work	Mentions: 165. Investing in upskilling is presented as crucial for fostering individual skills and promoting skilled worker mobility across borders. Significantly, redistributes the burden of economic uncertainty from institutional structures to individuals through emphasis on continuous reskilling and personal adaptability.

Year	WDR Title	Human Capital Significance & Critical Notes
2021	Data for Better Lives	Data-Driven Strategies vs. Local Context: data-driven approaches are valuable for benchmarking, but often overlook socio-cultural factors—marriage patterns, life expectancy, educational attitudes, and community practices—that play a unique role in shaping development across regions. These limitations remain peripheral rather than design-central.
2023	Migrants, Refugees, and Societies	Mentions: 23. Ignoring Brain Drain: the model assumes invested human capital will be productively used within the country. It fails to account for global governance failures around skilled migration—small, poor nations investing in doctors and engineers may see their entire return on investment vanish as professionals emigrate to wealthy nations.
2024	The Middle-Income Trap	Mentions: 41. Driving Domestic Policy Reform: in many lower and middle-income countries, a low HCI ranking has spurred internal reviews and policy shifts. Governments now intensely scrutinize education quality and health systems, designing reform programs aimed directly at improving their HCI score—reinforcing metric-driven governance cycles.
2025	Standards for Development	Mentions: 44. Standards as Dynamic Instruments: WDR 2025 makes standards evolutionary rather than fixed, acknowledging capacity differences across countries. However, this risks embedding human capital deeper into performance management regimes unless educational and political leaders actively steer standards toward substantive opportunity rather than comparative ranking.

Finding 3: Thematic Expansion vs. Operational Narrowing

A central paradox of the World Bank's human capital agenda is that thematic scope has broadened considerably while the operational framework has narrowed. As Tables 4 and 5 illustrate, the range of themes addressed across World Development Reports—from poverty reduction and gender equality to innovation, transnational mobility, and lifelong learning—suggests an increasingly holistic understanding of human development. Yet the operationalization of these themes consistently converges on standardized, performance-oriented indicators. Table 4 maps twelve distinct thematic clusters across forty years of reports; Table 5 shows how, despite this thematic diversification, the chronological focus has progressively tightened around digital competitiveness and global adaptability. This tension—between thematic expansion and operational narrowing—is the defining structural feature of the World Bank's current human capital governance model. It explains how the same framework can simultaneously invoke gender equity, cultural diversity,

and lifelong learning while reducing each of these to a measurable indicator within the HCI architecture.

Table 4. Human Capital Themes in World Development Reports (1981–2024)

Theme	Description	Examples from WDRs
Poverty Reduction	Investing in human capital to lift individuals and communities out of poverty.	WDR 1990, WDR 2000/2001, WDR 2002
Economic Growth	Human capital as a driver of productivity, innovation, and sustainable development.	WDR 1987, WDR 1991, WDR 1995, WDR 2005, WDR 2008
Education & Skills	Importance of education, training, and lifelong learning for individuals and economies.	WDR 1990, WDR 2007, WDR 2016, WDR 2018
Health & Wellbeing	Health, nutrition, and social support as enablers of individual potential.	WDR 1993, WDR 2000/2001, WDR 2007, WDR 2012
Global Economy	Human capital in the context of globalization, technological change, and interconnected markets.	WDR 1995, WDR 2002, WDR 2003, WDR 2009, WDR 2019, WDR 2020
Interconnectedness of Human Capital	Evolution from national asset to global commodity; emphasis on adaptability and lifelong learning.	WDR 1995, WDR 2006, WDR 2007, WDR 2019
Individual Skills	Skills for the modern job market: adaptability, creativity, digital literacy, life learning, and connection skills.	WDR 2007, WDR 2016, WDR 2018, WDR 2019
Global Workforce	Preparing individuals for global labor markets: cross-cultural competencies, language skills.	WDR 2013, WDR 2018, WDR 2019, WDR 2020, WDR 2023
Innovation	Creativity and entrepreneurship as drivers of development; support for experimentation and R&D.	WDR 2016, WDR 2019, WDR 2024
Transnational Human Capital	Skills valuable across borders: language, cultural understanding, global adaptability.	WDR 2019, WDR 2020, WDR 2023
Escaping the Middle-Income Trap	Strategic skill development to overcome stagnation: digital literacy, entrepreneurship.	WDR 2024
Lifelong Learning	Continuous education and reskilling to meet evolving labor market demands.	WDR 2007, WDR 2016, WDR 2019, WDR 2024

Table 5. Chronological Evolution of Human Capital Focus in World Development Reports (1978–2025)

Period	WDR Years	Key Theme & Human Capital Focus
1978–1980	WDR 1978–1980	Early stages of global development issues, without a specific focus on human capital.
1981–1989	WDR 1981–1989	Human capital emerges as a national development asset, emphasizing productivity, education, and training.
1990–2000	WDR 1990–2000	Human capital becomes central to poverty reduction and economic growth. Focus on health, education, on-the-job training, and technology adoption. Examples include Germany's dual education system, Kenya's M-Pesa, and Vietnam's poverty reduction.
2000–2010	WDR 2000–2010	Human capital framed within globalization. Emphasis on adaptability, knowledge, and technology. Investments in education and health seen as essential for societal advancement.
2011–2016	WDR 2011–2016	Conflict, gender equality, jobs, and digital dividends. Human capital expanded to encompass peace-building, women's agency, and digital readiness. Thematic diversification begins to mask metric consolidation.
2017–2025	WDR 2017–2025	Institutionalization of the Human Capital Project and HCI. Human capital operationalized as a quantifiable, globally comparable asset. Standards, data governance, and workforce mobility dominate. Metric reductionism reaches its fullest expression, even as reports acknowledge contextual limitations.

Conclusion

This study's systematic analysis of World Development Reports (1978–2025) demonstrates how the World Bank's human capital framework has shifted from a social development-oriented conception toward an economized and metric-driven model, culminating in the Human Capital Project (2017) and Human Capital Index (2018). These frameworks provide diagnostic utility, yet their reliance on standardized indicators obscures structural inequalities, shifts uncertainty onto individuals, and narrows the broader social purpose of education. Evidence from Indonesia, Nigeria, and Pakistan illustrates how single-metric architectures conceal regional disparities, while the contrasting orientation of UNDP's Human Development Report 2025 underscores the importance of agency, equity, and freedom. Educational leaders must mediate between global indicators and local realities, ensuring that innovations expand genuine opportunities—not constrain them within technocratic boundaries.

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