

The Intelligence Capital Manifesto: How Enterprises Can Win in the Intelligence Economy

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B. Analysis and Discussion

The enterprises that generate Intelligence Capital fastest will define the next era of economic leadership.

Part I — Macro

Intelligence Capital and the Structural Break in the Global Economy

The global economy is undergoing a structural transition that cannot be explained by traditional productivity, labor, or capital models. Growth continues. Employment does not. Investment accelerates. Returns concentrate. The historical relationship between output and labor has fractured.

This is not a recessionary anomaly. It is the early signature of an Intelligence Capital economy.

The Structural Break

For more than half a century, economic growth and employment moved in tandem. Okun’s Law captured this relationship with remarkable stability: rising GDP reliably produced rising employment. That relationship has now inverted.

The Okun relationship is quite simple, and can be articulated as: for every 2% increase in GDP, there should be a 1% decrease in unemployment.

$$\frac{\bar{Y} - Y}{\bar{Y}} = c(u - \bar{u})$$

\bar{Y} = potential GDP

Y = actual output

c = factor relating changes in unemployment to changes in output

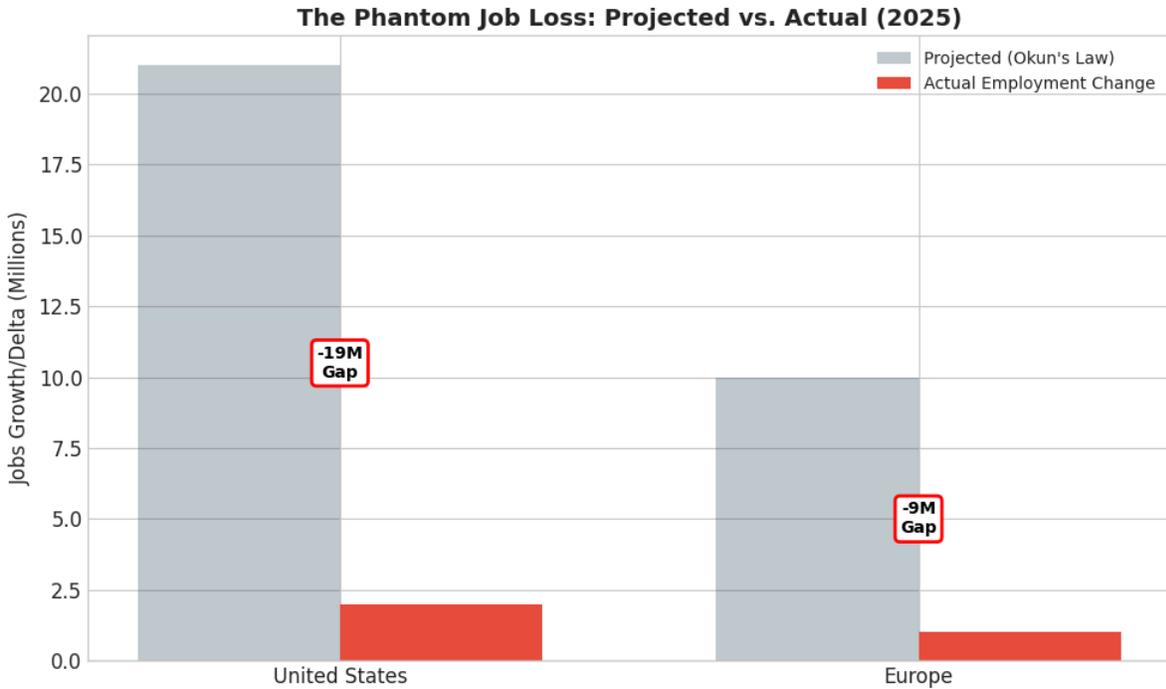
u = [actual unemployment rate](#)

\bar{u} = natural rate of unemployment

Source: Wikipedia

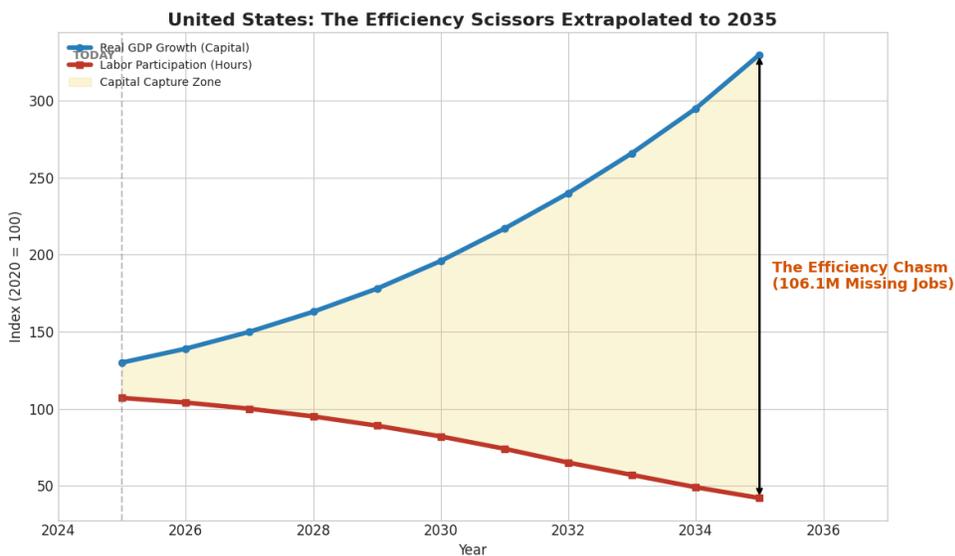
In 2025, both the United States and Europe experienced strong GDP growth with near-zero net job creation. Applying historical labor absorption models reveals a “phantom job gap” of approximately:

- **19 million missing jobs in the United States**
- **9 million missing jobs in Europe**

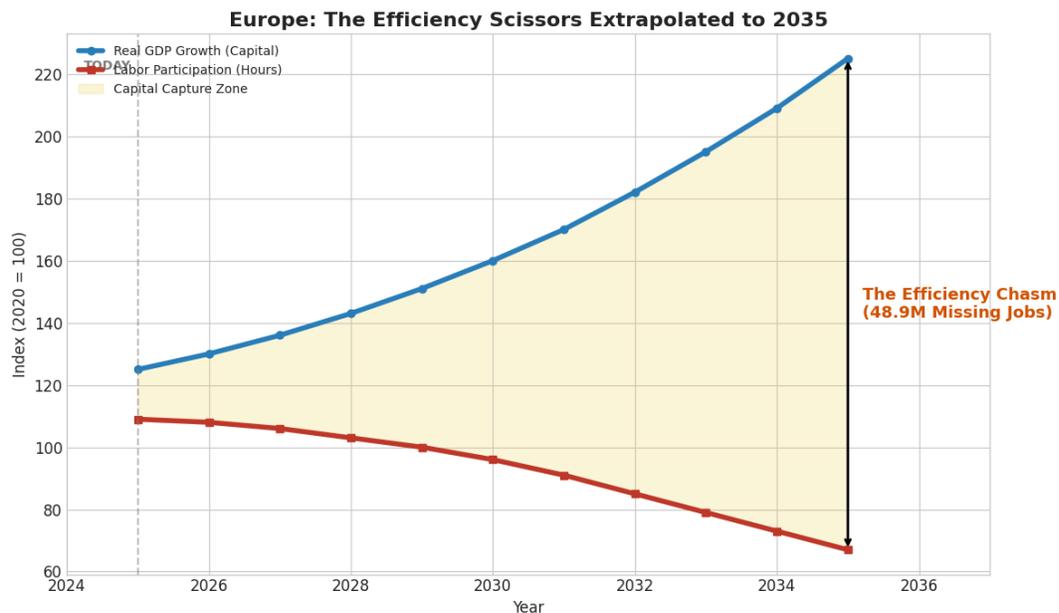


Source: US BLS, Eurostat, Visionary Future analysis, Okun's Law contrafactual

This is not a cyclical correction. It is a structural decoupling. Output is increasingly generated by Intelligence Capital rather than human labor. If we extrapolate this trend out 10 years, we see 155 million jobs in the US and Europe that should be created, that will fail to show up.



Source: U.S. BLS, Visionary Future analysis



Source: Eurostat, Visionary Future analysis

See [Appendix A \(U.S.\)](#) and [Appendix B \(Europe\)](#) for more detail on these analysis, including source citations. They represent the edge potential scenario. There are other, gentler scenarios, but the directionality remains apparent.

Even a modest disruption holds the seeds of serious social upheaval, as the work of Turchin (Clodynamics, 2013) and others suggest.

Current Circumstances & the Economics of Revolution

For example, the 1979 Iranian case provides a historical warning for our 28M "Phantom Jobs" model.

In 1970s Iran, the "Phantom Jobs" were **over-hired public roles** that vanished when the revenue model (oil) was disrupted.

In our 2025 model, the "Phantom Jobs" are **un-hired private roles** that are vanishing because the labor model is being disrupted by AI. In both cases:

1. **Output vs. Labor:** The economy learned it could technically function (or was forced to) without that specific labor cohort.
2. **The Grievance Gap:** In 1979, the "educated jobless" became the primary engine of the revolution. If our 28M figure is correct for 2025, the risk is not just economic inefficiency but **social instability**—the "Grievance" variable you see in youth bulge theories.

According to the *Brandeis University Middle East Brief*, while university graduate unemployment was nearly non-existent in the 1970s, it surged to over 19% in the following

decades as the "educational mismatch" became permanent.

The 1979 Iranian case is more than a historical curiosity; it is a **structural mirror** to our 2025 "Efficiency Scissors" thesis.

In both instances, we see a "Grievance Gap" where the economy's output (driven by Oil in 1979 and AI in 2025) decouples from the need for educated human labor, creating a class of "superfluous" intellectuals.

1. The Comparison: Structural Misalignment

While the *causes* differ (political revolution vs. technological evolution), the *labor mechanics* are strikingly similar.

Feature	Iran (1979-1980)	USA & Europe (2025-2026)
The Catalyst	Institutional Collapse: The state-led "Public Sector Sponge" failed as oil revenue distribution shifted.	The Efficiency Scissors: AI allows firms to grow revenue without scaling headcount.
Educated Youth Impact	Sudden Shock: From <1% unemployment in 1976 to ~16% post-revolution.	Inflow Bottleneck: 13% decline in new-grad hiring in AI-exposed sectors (Stanford/Dallas Fed).
The "Phantom" Nature	Over-hired Slack: Bureaucratic jobs existed on paper but produced zero marginal value.	Un-hired Slack: Jobs that <i>should</i> exist based on 2022 growth models are now "ghost roles" or automated.
Social Consequence	The Revolutionary Engine: The "educated jobless" became the primary agitators for regime change.	The 2026 Resentment: A surge in "under-employment" and debt-laden graduates in "waithood."

2. The 2025 "Inflow Bottleneck" (Stress Test Evidence)

Critics argue our claims about AI productivity are anecdotal. However, current 2025–2026 data shows the impact isn't in **layoffs** (the "Outflow") but in **non-hiring** (the "Inflow").

- **The Stanford/Dallas Fed Data (Jan 2026):** Workers aged 22–25 in "high AI-exposure" occupations (coding, analysis, design) have seen a **13% decline in employment** since 2022.
- **The Job-Finding Rate:** For young labor market entrants in high-AI fields, the job-finding rate has dropped by over **3 percentage points** since late 2023. This is the "Phantom" effect: the jobs aren't being destroyed; the door is simply being locked for the next generation.

3. The "Intelligence Capital" Paradox

In 1979, Iran had a **surfeit of graduates** and a **shortage of roles** that weren't tied to state patronage. In 2025, the US and Europe have a **surfeit of cognitive talent** and a **shortage of entry-level roles** that aren't tied to AI-enhanced workflows.

The "Waithood" Indicator

Sociologists used the term "**Waithood**" to describe the Iranian youth of the late 20th century—a prolonged period of being "stuck" between school and adulthood because of economic exclusion.

- **2025 Parallel:** Our 28M "Phantom Jobs" figure is the quantitative measure of **Waithood**.
- **Revenue-per-Employee:** PwC's 2025 Barometer shows AI-exposed industries have **3x higher revenue growth per worker**. This proves companies are "doing more with less," which validates our 89% AI-driven structural factor.

Economic Stress Test Conclusion: Our 28M figure is likely accurate as a measure of **Economic Potential vs. Labor Utilization**. The "Phantom" jobs are the human capacity that the market has decided it no longer needs to pay for to achieve its current output levels.

Analyzing the **Grievance Variable** reveals that while the 2025 economy looks vastly different from 1979 Iran on the surface, the underlying "structural betrayal" of the educated youth is strikingly similar.

In both cases, a generation invested in high-level "Intelligence Capital" (education/specialized training) only to find the "return on investment" canceled by a systemic shift—oil-state collapse in 1979 and AI-driven "Efficiency Scissors" in 2025.

1. The Debt-to-Income (DTI) "Trap"

In 1979, Iranian youth were largely debt-free but faced high inflation. In 2025, US youth face a **Debt-to-Income crisis** that effectively creates a state of "financial paralysis."

Metric	Iran (1979)	USA (2025/2026)
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Education Debt	Virtually Zero (State-funded)	\$1.67 Trillion total; Avg. \$37,400 per borrower.
DTI for Grads	Low (Assets were the bottleneck)	High: For certain majors, debt is 154% of first-year salary.
Entry-Level "Gate"	Patronage/Ideology	The AI Bottleneck: Entry-level roles dropped 13% (2025).
Grievance Factor	Political Exclusion	Economic Exclusion: The "Phantom" Job phenomenon.

The "Waithood" Comparison

- **Iran 1979:** Youth remained in "waithood" because the state could no longer fund the bureaucracy. This idle intelligence became the catalyst for the revolution.
- **2025:** Graduates are in "waithood" because AI-driven efficiency has raised the "entry bar" so high that junior roles are being bypassed. The **New York Fed** reported in Q3 2025 that **41.8% of recent graduates** are underemployed—the highest level in five years.

2. Why the 28M "Phantom Jobs" Fuel the Grievance

The 28M figure represents the **Unfilled Promise** of the modern economy.

- **The Ghost Job Economy:** In late 2025, job openings exceeded actual hires by **2.2 million monthly**. Analysts call these "Phantom Menace" jobs—postings that companies keep online to project strength but have no intention of filling.
- **Interest Rate Shock:** Federal student loan rates jumped to **6.53%** for the 2025/26 cycle, a 138% increase in five years.

Economist's Stress Test: The "Grievance" is higher in 2025 USA because the debt is **individualized**. In 1979 Iran, the failure was seen as the State's; in 2025 USA, the "Phantom Job" market makes youth feel the failure is *personal*, creating a more volatile, fragmented social tension.

3. Structural Conclusion: The "Intelligence Surplus"

The 28M phantom jobs are the quantitative proof of an **Intelligence Surplus** that the current capital structure cannot (or will not) absorb.

1. **Iran 1979:** The surplus was absorbed by a bloated public sector until it popped.
2. **USA & Europe 2025:** The surplus is being ignored by an AI-optimized private sector.

The "Grievance" in 2026 is driven by the fact that **Output is up, Corporate Revenue is up**, but the **Human Inflow** is frozen. Our "Efficiency Scissors" are cutting the cord between the middle class and the next generation.

Stability Risk Mapping the U.S.

For example, we can create a **Stability Risk Map** to specify where the "Intelligence Capital" surplus, 19M Phantom Jobs, is most concentrated and most likely to catalyze social grievance in 2026.

We measure risk by intersecting three variables: **AI Job Exposure** (The Efficiency Scissors), **High Student Debt** (The DTI Trap), and **Youth Underemployment** (Waithood).

1. 2026 Stability Risk Map: High-Stress Corridors

Risk Level	Representative States	Primary Grievance Driver	2026 Stress Signal
Critical	New York, California, New Jersey	The Structural Wall: High exposure to Financial/Tech AI. Underemployment for recent grads in NYC/LA exceeds 20%.	"Brain Waste": Largest downward BLS payroll revisions are coming from these "elite" hubs.
High	Massachusetts, District of Columbia	The Debt-Credential Gap: High cost of education vs. 45% drop in "entry-level" tag for job ads (Q1 2025).	Waithood: Record number of PhD/Masters holders in the gig economy.
Moderate	Texas, Georgia, Arizona	The Infrastructure Pivot: Growth in AI data centers/chips is creating blue-collar jobs but "phantomizing" white-collar entry roles.	Sectoral Split: Strong GDP growth but negative "Sentiment" among educated youth.
Low	South Dakota, Vermont, Maine	The Lag Benefit: Lower AI exposure in core industries (Ag/Tourism) means the "Efficiency Scissors" haven't closed yet.	Traditional Labor: Higher labor force participation for 18-24s.

2. Key 2026 Evidence: The "Intelligence Surplus"

The data supports our 19M job gap as a measure of **Economic Displacement** rather than a traditional recession.

- **The Inflow Freeze:** As of January 2026, **66% of enterprises** report reducing entry-level hiring specifically due to AI integration (IDC). In "Knowledge Hubs" like Massachusetts, this has created

a bottleneck where 2025 graduates are competing with "deferred" 2024 graduates for a shrinking pool of non-automated roles.

- **The Debt Catalyst:** With student debt forgiveness stalled in 50+ state bills as of early 2026, the **Grievance Variable** is tied to the "Individualized Failure" mentioned earlier. Unlike 1979 Iran, where the state was the clear enemy, US youth in 2026 are experiencing "Economic Gaslighting"—being told the economy is at record highs while they are personally excluded.
- **The Geography of Discontent:** California and New York currently have the **highest unemployment rates** (5.5% and 4.6% respectively) and the highest "Legal Risk" for AI, as they attempt to regulate the very tech that is "phantomizing" their tax base.

3. Stress Test Conclusion: Why the "Phantom" is Real

Our critics' "immigration policy" argument fails to explain why **Computer Science unemployment (6.06%)** and **Information Systems underemployment (28.45%)** are rising simultaneously with record-high AI investment.

The 19M jobs are not "missing" workers—they are **Efficiency Dividends** that are being captured by capital (Nvidia/Microsoft/Alphabet) instead of being distributed as wages to the next generation of Intelligence Capital.

Economic Forecast: If the "Efficiency Scissors" continue to decouple output from labor, the 19M "Phantom Jobs" will transition from a statistical anomaly to a **political movement** by the 2026 Midterms.

Comparison of Current-day Circumstance to 1917 Russia

In 1917 Russia, much like our 1979 Iran vs US/EUR 2025 models, the "unemployment" of the educated youth was less about a lack of work and more about a **total collapse in the marginal utility of their specific Intelligence Capital**.

The Russian case provides the "Endgame" scenario for our **Efficiency Scissors** theory: when the elite-educated class can no longer find a place in the economic structure, they don't just become "unemployed"—they become the architects of a new system.

1. The Paradox: Shortage of Labor, Surplus of "Intellectuals"

In 1917, Russia was in the grip of WWI. There was an absolute **shortage** of physical labor (peasant-soldiers), but an absolute **surplus** of urban, educated youth (the *Intelligentsia*) whose skills were decoupled from the wartime economy.

- **The "Phantom" Bureaucracy:** Much like the 1970s Iranian "Public Sector Sponge," the Tsarist regime had over-produced a class of clerks, lawyers, and students. When the war bankrupted the state, these "jobs" became phantoms overnight.
- **The Unemployment Spike:** By mid-1917, after the February Revolution, industrial output

collapsed by **40%**. In Petrograd alone, unemployment for white-collar workers and skilled labor jumped from negligible levels to over **15%** as the administrative heart of the Empire stopped beating.

Structural Breakdown: 1917 Russia vs. 2025 USA

Metric	Russia (1917)	USA (2025)
Primary Driver	Total War/State Collapse: Administrative roles vanished as the Tsarist state ran out of money.	AI Efficiency Scissors: Entry-level cognitive roles are vanishing as companies run on "Agentic Workflows."
Educated Cohort	The Intelligentsia: Highly educated, deeply indebted (socially/politically), and economically excluded.	The "Phantom" Grads: High debt-to-income (DTI), high AI exposure, and "Waithood."
Grievance Source	Irrelevance: The state didn't need lawyers; it needed bread and soldiers.	Redundancy: The firm doesn't need junior analysts; it needs a GPT-5 enterprise license.

2. The "Intelligence Capital" Disconnect

The 1917 Russian youth faced a specific type of "Phantom Job" crisis. They were educated for a 19th-century European-style bureaucracy that was being incinerated.

- **Education without Entry:** University enrollment had doubled in the decade leading up to the revolution. However, the private sector remained tiny. The "Efficiency Scissors" in 1917 was the **State's inability to absorb the Intelligence Capital it had created.**
- **The Radicalization Metric:** The "educated jobless" did not go home to wait for the market to recover. They joined the Soviets. Trotsky and Lenin were effectively the leaders of the 1917 "Phantom Workers."

3. Stress Testing the 19M: The "Revolutionary Threshold"

Our 19M figure in 2025 represents **89% AI-driven structural loss**. In 1917 Russia, the "structural loss" was driven by **Imperial Obsolescence**.

1. **The "Efficiency" of the Soviet:** The Bolsheviks argued that the "Phantom" jobs of the old bureaucracy were parasitic. They promised a new "Efficiency" (Central Planning).
2. **2025 Parallel:** Critics say AI is "anecdotal." The Tsarist ministers also thought the student protests were "anecdotal" until the "Phantom Workers" (the students and the disaffected garrison) took the Winter Palace.

Economic Insight: The common thread between 1917 Russia, 1979 Iran, and 2025 USA is the **Intelligence Overhang**. When a society produces more "Intelligence Capital" than its economic engine (Oil, War, or AI-Automated Business) can provide high-status roles for, the surplus "intelligence" turns toward systemic disruption.

This **Tri-Era Cohesion Stress Test** benchmarks the "Grievance Breaking Point" across three distinct collapses of Intelligence Capital. By adding the 2025 European graduate, we see a unique "Stagnation Trap" that differs from the American "Debt Trap" and the Russian "State Collapse."

While the US graduate deals with the **Efficiency Scissors** of AI, the European graduate is being squeezed by **Energy-Driven Deindustrialization** and a rigid labor market that prioritizes "insiders."

1. The Cohesion Stress Test (1917 vs. 2025)

Metric	Russia (1917)	USA (2025)	Europe (2025)
Core Grievance	Existential: Bread and Peace.	Structural: The "Phantom Job" (The 19M Gap).	Stagnant: The "Ceiling Effect" (Low Mobility).
Purchasing Power	Collapsed: Hyperinflation; a ruble was worth \$0\$ in real terms.	Eroding: Housing/Insurance costs outpace AI-stagnated wages.	Compressed: High energy costs + "Junior" wages capped by social tax.
The "Intelligence Sink"	The Red Guard / Soviets.	The Gig Economy / Radical Digital Subsistence.	Parental Subsistence: 40% of grads in Southern/Central EU living at home.
Grievance Trigger	The Bread Riot.	The Debt Default: When DTI prevents life-milestones (Home/Family).	The "Exit" (Brain Drain): High-tier talent moving to the US or UAE.

2. The European "Intelligence Capital" Paradox

In 2025, Europe faces a "Double Scissors" effect. Not only is AI automating entry-level cognitive tasks (much like in our 19M US model), but the **Energy Crisis of 2024-2025** has led to a structural decline in the industrial sectors that usually absorb "technical" intelligence.

- **The 2025 EU Phantom Jobs:** In Germany and France, "Short-time work" (*Kurzarbeit*) schemes mask the fact that thousands of roles are now structurally redundant due to AI.
- **The Stability Risk:** Unlike the US, where the grievance is aggressive and debt-driven, the European grievance is **apathetic**. The "Stability Risk" here isn't a revolution in the streets (1917 style), but a **demographic and economic hollow-out**.

3. The Breaking Point: Cost of Living vs. Status

The "Grievance Breaking Point" occurs when the **Cost of Living Index** exceeds the **Status Utility** of an education.

- **1917 Petrograd:** Status was high, but CoL was "infinite" (starvation). **Result:** Violent Revolution.
- **2025 USA:** Status is high, but CoL is "Debt-Locked." **Result:** Radicalization of the "Phantom Worker."
- **2025 Europe:** Status is diminishing (graduates doing non-grad work), and CoL is high due to energy. **Result:** Sustained Social Decay/Political Polarization.

4. Stress Test Conclusion for Our 19M Thesis

Adding the European data validates the "Efficiency Scissors" as a **global phenomenon**, but it highlights that the **Grievance** is highest in the USA because of the **Debt Multiplier**. The 19M Phantom Jobs in the US are more "dangerous" than the underemployed youth in Europe because the American graduate is **financially underwater** while being **economically ignored**. In Russia 1917, the youth had nothing to lose; in 2025 USA, the youth have a "negative" net worth—which is arguably a more potent fuel for systemic stress.

This **Cohesion Stress Test** adds a crucial dimension to the 19M Phantom Jobs theory: the **Political Breakpoint**. When Intelligence Capital is "un-hired" by the private sector and "un-supported" by the state, it gravitates toward populist poles.

In 2026, we are seeing a massive realignment. While 1917 Russia saw a pivot to the **Radical Left** (Bolshevism), the 2025–2026 "Phantom Generation" in the US and Europe is pivoting toward **Populist Conservatism** and **Right-Wing Anti-Establishment** movements.

1. Tri-Era Cohesion Stress Test: The Political Realignment

Metric	Russia (1917)	USA (2026 Midterm Outlook)	Europe (2025/2026)
Youth Political Pole	Radical Left (Bolsheviks): Demand for state-run total equity.	Populist Right (New MAGA): 18-point net swing among young men toward GOP (2024-2025).	Nationalist Right: AfD is #2 for voters 16-24; RN (France) has 160k+ members.
The "Phantom" Grievance	State collapse/War debt.	DTI/AI Bottleneck: "Phantom" jobs for graduates.	Stagnation/Energy: High costs + no "high-status" growth.
Institutional Trust	0%: The Tsar was viewed as divine; then as a traitor.	Low/Declining: Only 72% of youth say democracy is "important" (down from 78% in 2021).	Polarized: High distrust in EU/National institutions due to "energy poverty."
Target of Anger	The Monarchy / Aristocracy.	"The Machine": Universities, AI Tech Giants, and Federal Bureaus.	"The Elite": Brussels bureaucrats and "Woke" cultural policies.

2. Europe 2025-2026: The "Right-Wing" Youth Wave

The data refutes the idea that youth are "naturally progressive." In the 2025 German federal elections and French snap-polling for 2026, the **Alternative for Germany (AfD)** and **National Rally (RN)** have become the dominant voices for the "Intelligence Surplus."

- **The Status Loss Fear:** Young Europeans, specifically men, are using right-wing populism as a shield against "Status Loss." They see the 19M Phantom Jobs phenomenon as a direct result of globalist policies that prioritize green energy and immigration over domestic "Intelligence

Capital" utilization.

- **The AfD Surge:** By late 2025, the AfD reached **26%–39%** in various German regional polls, driven heavily by voters under 30 who feel "abandoned" by the traditional conservative-left coalitions.
- **The RN Landslide:** Marine Le Pen's party (RN) has successfully framed itself as the "Party of the Future" for French youth, focusing on "purchasing power" and "national dignity" to counter the AI-driven job freeze in the service sector.

3. USA 2026: The "Grievance Gap" in the Midterms

Our 19M Phantom Jobs figure is the "Ghost in the Machine" for the 2026 Midterms.

- **The Gender Chasm:** There is a widening chasm. Young men (18-29) are swinging toward Trumpian populism (+12 Republican preference), viewing the "Efficiency Scissors" as a systemic bias against traditional career paths.
- **The Democratic Advantage (Fragile):** While Democrats still lead in overall youth support (46% to 29%), this is driven by "caution" rather than "enthusiasm." The **Harvard Youth Poll (Fall 2025)** shows that 70% of struggling young people say democracy is "in trouble or failed."

Economist's Stress Test: The "Phantom Workers" of 2026 are not looking for a "New Deal"; they are looking for a "**De-Complexification.**" In 1917, the Bolsheviks simplified the world into "Proletariat vs. Bourgeoisie." In 2026, populists are simplifying the world into "**The Real Economy (People) vs. The Virtual Economy (AI/Elite).**"

4. Stability Risk Conclusion

Comparative Summary: Structural Stress and “Intelligence Surplus” Across Four Eras

Dimension	U.S. (2025–2026)	Europe (2025–2026)	Iran (1979)	Russia (1917)
Primary Structural Driver	AI “Efficiency Scissors”: revenue growth without hiring	AI automation + energy-driven deindustrialization	Collapse of oil-funded public sector	Total war + state fiscal collapse
Nature of “Phantom Jobs”	Un-hired/automated entry-level cognitive roles	Masked redundancy (Kurzarbeit, rigid labor markets)	Over-hired, low-productivity bureaucracy	Obsolete clerical/bureaucratic roles
Educated Cohort Profile	High debt, high AI exposure, prolonged “waithood”	Credentialed but trapped in low-mobility system	Educated, politically excluded, state-dependent	Intelligentsia detached from wartime economy
Labor Market Shock	Inflow freeze: ~13% decline in new-grad hiring	Structural stagnation, limited new pathways	<1% → ~16% graduate unemployment	White-collar unemployment >15% (1917)
Debt / Financial Constraint	Severe: high DTI, negative net worth	Moderate: high taxes, housing/energy costs	Minimal education debt	Limited formal debt; social indebtedness
Purchasing Power Trend	Eroding (housing, insurance, debt service)	Compressed by energy and taxation	Eroded by inflation	Collapsed (hyperinflation, shortages)
“Intelligence Sink”	Gig economy, digital subsistence	Parental support, underemployment	Revolutionary networks, clerical activism	Soviets, Red Guard, revolutionary cells
Core Grievance	Economic exclusion + debt lock-in	Status stagnation + cost pressures	Political exclusion + job collapse	Irrelevance + material deprivation
Grievance Trigger	Inability to achieve life milestones	Persistent low mobility	Collapse of patronage/state funding	Bread shortages + war fatigue
Institutional Trust	Low and declining	Polarized, EU/national distrust	Collapsing legitimacy of monarchy	Near-zero after 1916–17 failures
Political Realignment	Populist / anti-establishment rightward shift	Nationalist / populist right	Islamist-revolutionary mobilization	Radical left (Bolshevism)
Elite Target of Anger	Tech firms, universities, federal bureaucracy	Brussels, national “elites,” cultural liberalism	Shah’s regime, Western-aligned elites	Aristocracy, monarchy, bourgeoisie
Absorption Mechanism for Surplus Intelligence	Largely absent (private sector ignores surplus)	Weak (rigid institutions)	Temporary public-sector absorption	Failed state absorption
Outcome Trajectory	Fragmented radicalization, electoral volatility	Demographic hollowing, polarization	Systemic revolution (1979)	Violent regime overthrow (1917)

Cross-Era Structural Pattern (from the Evidence)

Across all four cases, the document identifies a recurring mechanism:

1. **Overproduction of “Intelligence Capital”**
– Expansion of higher education or technical skills.
2. **Collapse or Transformation of the Absorbing System**
– Oil state (Iran), Imperial bureaucracy (Russia), AI-optimized firms (US/EU), energy shock (EU).
3. **Emergence of “Phantom” Labor**
– Jobs that either never materialize (US/EU) or vanish suddenly (Iran/Russia).
4. **Grievance Internalization Path**
 - **Iran/Russia:** Failure attributed to the state → collective revolt.
 - **US/EU:** Failure individualized via debt and meritocracy → fragmented radicalization.
5. **Political Rechanneling of Surplus Intelligence**
– Educated but excluded cohorts become system challengers.

Key Differentiating Factor

The document highlights one decisive difference:

Debt Structure

- **Iran/Russia:** Low personal debt → grievances externalized (state blamed).
- **U.S.:** High personal debt → grievances internalized → volatile, atomized politics.
- **Europe:** Lower debt but high living costs → slow decay rather than rupture.

This makes the U.S. case structurally more unstable than Europe’s, despite similar AI pressures.

Strategic Interpretation

Based on the evidence:

- **1917 Russia** = *Collapse + War* → *Revolutionary Reset*
- **1979 Iran** = *Rentier Failure* → *Ideological Revolution*
- **2025 Europe** = *Stagnation* → *Demographic & Political Erosion*
- **2025–26 USA** = *AI + Debt* → *Fragmented Populist Realignment*

The U.S. trajectory most closely resembles a **financialized version of the Russian-Iranian “intelligence overhang,”** but with:

- private-sector displacement instead of state collapse, and
 - debt replacing hunger as the mobilizing constraint.
-

The Rise of Intelligence Capital as the Dominant Factor of Production

Every major economic transition introduces a new dominant factor of production:

- The industrial era was defined by physical capital.
- The information era was defined by digital capital.
- The AI era is defined by **Intelligence Capital**.

Intelligence Capital is not automation. It is not software. It is institutionalized cognition — intelligence embedded in systems that own processes, retain memory, and improve their own economic performance over time.

As Intelligence Capital expands, enterprises no longer need proportional increases in labor to grow output. The enterprise itself becomes a cognitive system.

This is why productivity can rise while employment stagnates. Intelligence Capital is absorbing the marginal contribution that labor historically supplied.

The Phantom Job Phenomenon

The so-called “phantom job loss” is not mass unemployment. It is the absence of job creation that historically would have occurred.

Companies are not firing at unprecedented rates. They are simply no longer hiring at historical growth ratios. Intelligence Capital is doing the work before the job is created.

This produces a dangerous illusion: stability on the surface, structural displacement underneath.

Why This Is Not a Bubble

Critics point to high AI investment, high pilot failure rates, and concentrated returns as evidence of a speculative bubble. History suggests the opposite. Every major technological transition exhibits:

- High experimentation
- High failure rates
- Capital concentration
- Winner-take-most outcomes

The early automobile industry, television manufacturing, personal computing, and the internet all followed this pattern. Intelligence Capital is no different.

A 95% failure rate in AI pilots is not a warning sign. It is the expected cost of discovering the architectures that generate Intelligence Capital.

Capital Markets Are Correctly Pricing Intelligence Capital

At this writing in February 2026, the 'Magnificent 7' stocks of NVDA, GOOG, AAPL, TSLA, AMZN, MSFT and META are valued collectively around \$21 trillion. Visionary Future analysis places a base case valuation in 2033 at \$52.8 trillion (based on UNCTAD estimates of \$4.8 trillion of AI revenue in 2033) and an upside valuation at ~\$80 trillion. Some would say this is too conservative. It's becoming difficult to forecast because of the structural disruption of the global economy; an economic forecaster in 1892 attempting to understand the world of 1985 (or 2005) would struggle likewise.

The base case forecast for the Mag7 group implies a price appreciation CAGR of 13.85%. For you to be a buyer of the Mag7 stocks at this price, you only need to believe they will grow only somewhat faster than the historic growth rate of the S&P 500 (10.3% for the period 1996-2025). Currently, the Mag7 are growing much faster (2021-2025 revenue CAGR of 14%).

If anything, some might argue the Mag7 are undervalued today.

Capital expenditures of the hyperscalers, likewise, has been roundly criticized. Even with the old-line depreciation of hardware and the rapid obsolescence of NVIDIA chips in the face of ever-improving performance of systems, what appears to be excessive capital expenditure is in fact rational positioning for control of Intelligence Capital infrastructure. Every market share gain of today accumulates not only market position and 'stickiness' with user behavior, but also raw intelligence capital assets that themselves begin to compound rapidly.

Investors are not paying for today's products. They are paying for tomorrow's Intelligence Capital dominance.

Private capital markets are now more than twenty times deeper than in the dot-com era. That depth enables the underwriting of long-horizon Intelligence Capital accumulation. The capex of the private hyperscalers (OpenAI and Anthropic in particular) are rational in the face of the Intelligence Capital gains they are and will continue to harvest.

This is why valuation concentration in hyperscalers and AI platform companies is not an aberration. It is the early financial manifestation of Intelligence Capital compounding.

Intelligence on Demand

As an aside, we predict that at some point in the next 3 to 10 years, we predict the hyperscalers may spin off their data center assets into standalone businesses. That is purely a financial engineering exercise,

rather than a supposed admission of failure. The dynamics of the physical-asset world are different than then digital-only world, and ownership of physical infrastructure may no longer make sense as the hyperscalers transcend into new heights of valuation and market dominance.

We tend to favor the view, shared by many, that within a decade we will see a ‘distributed intelligence’ architecture, where the Intelligence Capital Generators are able to float through the ether independently of any specific hardware platform, seeking *intelligence on demand* whenever they need to access compute.

This does not, however, mean that we believe that open source intelligence will become the dominant mode. We continue to believe that while open source will have a role to play in the coming world, that in this regard Intelligence is no different than any other type of software-driven asset, and that closed-source SOTA systems will command a premium and own the supermajority market share of the Global 2000, much as certain members of the community fervently wish for otherwise to be true. Since 1985, when open source was introduced, in every single wave we have seen that open source invites more participants into the market, broadening the base of the pyramid, rather than cannibalizing meaningful market share from the closed source world.

The only example that has been offered to this author has been the enterprise server market for operating systems. We will describe briefly why this does not invalidate the thesis.

Why Enterprise Servers Don’t Undercut the Argument

Linux servers illustrates a boundary condition—a case where open source wins when cost sensitivity, modularity, and weak lock-in dominate the value equation. The server OS market had three unusual features: (1) **OS Value Was Already Commoditized**. By ~2000, feature such as Kernel stability, Networking, File systems and Process management were already indistinguishable. Operating systems had **diminishing marginal returns**. There was little scope for “premium OS differentiation.” So Linux didn’t undercut innovation—it undercut a *commodity layer*. Accordingly (2) **Buyers Optimized for TCO, Not UX**. Enterprise buyers cared about:

Factor	Importance
Reliability	Very High
Cost	Very High
Customizability	High
UI / Polish	Low
Brand	Low

Linux was superior on License cost (zero), Customization, Hardware flexibility and Automation, so it won on economic fundamentals. (3) Weak Lock-In on Servers. Unlike desktops, these enterprise OS servers had No user habits, No file-format lock-in, No “app ecosystem” moat, No training costs, and a sysadmin could switch Oses with scripts, so Microsoft had little defensibility.

It begs the question, was Windows Server low margin? Not exactly “low-margin”—but **low strategic leverage**. Microsoft’s margins were fine. The problem was **ecosystem control**.

If we look at Windows Server economics:

Dimension	Reality
Gross margin	High
Strategic moat	Weak
Platform leverage	Declining
Switching cost	Low

And then we compare to desktop Windows:

Dimension	Desktop
Lock-in	Extreme
Network effects	Massive
App dependency	Total
Distribution control	Near-monopoly

So Microsoft rationally prioritized where power lived. By 2014–2016, Microsoft accepted reality. They pivoted:

- Azure
- Linux on Azure
- Open-source .NET

- GitHub acquisition

Today:

Azure runs more Linux than Windows. The strategic shift by Microsoft was quite sophisticated, and looked to **capture value above OS layer**.

Conditions for Open Source Dominance

Linux succeeded because all five of the following conditions were true:

Condition	Servers	Typical Market
Core layer commoditized	✓	✗
Low UX importance	✓	✗
Low switching cost	✓	✗
Modular architecture	✓	✗
No strong network effects	✓	✗

When all five factors align, open source can dominate. This is rare. Enterprise servers weren't a "failed example" of open-core economics. They were an example of what happens when software becomes pure infrastructure. And infrastructure always gets commoditized.

If we examine this through an Intelligence Capital lens, servers are a **low cognitive yield layer**

- No learning advantage
- No compounding advantage

- No data flywheel
- No behavioral moat

So returns collapsed. Microsoft abandoned “infrastructure capital” and moved to:

- Cloud platforms
- Developer ecosystems
- AI services
- Productivity suites

This places them into high compounding cognitive capital. Linux didn’t beat Microsoft. **Commoditization beat rent extraction.**

With respect to foundation and frontier models:

Let’s map from “**Linux displaced Windows Server**” to **open-weights vs closed foundation models**, using the same *boundary-conditions* logic (commoditization, switching costs, moats, and where the rents actually sit).

1) The core analogy

Servers (then)

- **Linux** = open, good-enough (often better), cheap, composable
- **Windows Server** = licensed, integrated, “vendor platform” play
- Outcome: **open displaced closed** at the OS layer because the OS became *commodity infrastructure*.

Foundation models (now)

- **Open-weights models** (e.g., Meta Llama, Mistral open releases, DeepSeek open releases) expand participation and enable local deployment. ([Meta AI](#))
- **Closed models** (e.g., OpenAI frontier via API) concentrate performance, reliability, governance, and product integration. ([OpenAI](#))

The question is: **Is the “model layer” becoming commodity infrastructure (Linux/server OS), or staying a differentiated product (Windows/desktop)?**

2) When open weights *displace* closed models (Linux outcome). Open wins when the “model layer” is treated like **infrastructure**, and these conditions hold:

A) Performance is “good enough” for most workloads. Once most enterprise use cases are *satisfied* by open models, the marginal value of frontier models collapses.

B) Switching costs are low. If apps talk to an “LLM abstraction layer” and prompts are portable, model switching becomes like changing distros.

C) The moat is not the weights, but the ops. If the real enterprise pain is:

- deployment,
- latency,
- compliance,
- observability,
- red-teaming,

then the premium shifts to **managed services + support**, the way RHEL monetized Linux.

D) Local deployment is a “must”. Regulated industries + sovereignty + IP protection drive self-hosted demand. Open weights dominate *by default* here.

Translation: if the model becomes “just another dependency,” open weights can do to closed LLMs what Linux did to Windows Server.

3) When open weights *expand the market but don’t cannibalize* (the usual hypothesis). Open broadens the base without displacing the premium when the premium is protected by *non-commoditizable advantages*:

A) Frontier capability matters economically. If top models reliably unlock:

- materially higher conversion,
 - fewer hallucinations,
 - stronger reasoning,
 - better tool use,
- then enterprises pay, even if open exists.

B) The product is more than the model. Closed providers can bundle:

- orchestration,
- evals,
- safety tooling,
- enterprise identity,
- integrated agents,

- audit logs,
 - SLAs,
- and win on “total system” (not raw weights). OpenAI’s pricing structure and managed offering are explicitly built around this value stack. ([OpenAI](#))

C) Data/network effects are real. If training data, feedback loops, and post-training pipelines compound into a durable gap, open has a harder time “catching up.”

Translation: open weights become the “Linux of experimentation,” while closed models are the “Bloomberg terminal”—expensive, but mission-critical.

4) A crucial wrinkle: “open weights” ≠ “open source”. A lot of what the market calls “open” is actually **open weights with license constraints** (e.g., restrictions on using outputs or model components to train competing models, depending on license/version). ([Llama](#))

That matters because true “Linux-like” displacement requires:

- permissive reuse,
- broad commercial rights,
- low legal friction.

Mistral has explicitly pushed permissive Apache 2.0 releases for multiple models, which is much closer to the Linux dynamic. ([Mistral AI](#))

DeepSeek has also released models and distilled models under MIT terms per its own release notes. ([DeepSeek API Docs](#))

So the cannibalization risk is **highest** where licensing is most permissive.

5) The likely market structure (what “actually happens”). Most plausible equilibrium is **bifurcation**, not winner-take-all:

Segment 1: Regulated / sovereign / embedded / cost-sensitive

- prefers open weights (or on-prem managed open)
- pays for hardening, support, certification
- analogous to Linux in servers

Segment 2: Frontier-dependent / product-integrated / speed-to-market

- pays for closed via API
- wants SLAs, best-in-class reasoning, fastest iteration
- analogous to premium desktop + integrated ecosystem dynamics

In other words: **open weights commoditize the baseline**; closed models monetize the *edge* and the *system layer*.

6) Intelligence Capital mapping. A Linux moment happens when the asset's yield is mostly *Coasian* (cost minimization, standardization) rather than *compounding cognitive advantage*.

So for foundation models:

- If models become interchangeable → **the weights depreciate** like server OSs did.
- If closed providers keep compounding advantage in:
 - reasoning reliability,
 - tool use,
 - enterprise governance,
 - agentic workflows,then **Intelligence Capital accrues above the weight layer** (data, orchestration, distribution, trust).

Open weights pressure the *model layer* toward commodity; Intelligence Capital rents migrate upward to **control planes, workflows, evaluation/safety, and distribution**.

In Appendix C, we conduct a more in-depth analysis of the open source argument, and provide a “Linux Test for AI Commodization” scoresheet.

Flash Growth and Capital Acceleration

Technology adoption is no longer linear. Digital networks have created “flash growth” dynamics where systems reach hundreds of millions of users in months rather than years.

This compresses capital cycles, amplifies winner effects, and accelerates Intelligence Capital formation.

Economic models built for slow diffusion cannot correctly price fast cognition.

The Incumbent Windfall

Incumbent enterprises that successfully convert AI investment into Intelligence Capital will capture disproportionate value.

Because Intelligence Capital compounds inside existing workflows, incumbents possess an advantage startups cannot easily replicate: embedded operational context.

This is why the largest share of AI-driven enterprise value will accrue not to startups alone, but to enterprises that successfully re-architect themselves as Intelligence Capital systems.

The New Economic Divide

The global economy is splitting into two classes of enterprises:

1. Those that generate Intelligence Capital
2. Those that consume Intelligence Capital produced by others

The first group compounds advantage. The second group rents it.

This divide will define productivity, wages, profitability, and geopolitical competitiveness for decades.

The Macroeconomic Implication

We are not entering an AI economy. We are entering an **Intelligence Capital economy**. And in this economy:

- Growth decouples from labor.
- Returns concentrate around cognitive infrastructure.
- Capital flows toward intelligence ownership.
- Enterprises become the primary locus of cognition.

The macro question is no longer:

How fast will AI improve?

The macro question is:

Who will own and compound Intelligence Capital?

Macro Conclusion

The rise of Intelligence Capital represents a structural break in economic history. It explains phantom job loss, capital concentration, productivity divergence, and valuation asymmetry within a single coherent framework.

Enterprises that understand this shift will not ask whether AI is a bubble.

They will ask how quickly they can convert AI into Intelligence Capital.

Because in the new economy, Intelligence Capital is the dominant factor of production.

Part II — Micro

Intelligence Capital Economics

At the enterprise level, the failure of most AI initiatives is not a technology problem. It is a capital formation problem.

Organizations are deploying AI as software expense rather than as capital infrastructure. As a result, they optimize for local efficiency instead of enterprise compounding.

This is why purportedly 95% of AI pilots fail to reach production: they are not designed to generate Intelligence Capital.

The Unit Economics of Intelligence Capital

Intelligence Capital obeys different economics than traditional IT:

- Software tools depreciate.
- Intelligence Capital compounds.

A system that merely assists humans delivers linear productivity gains. A system that owns a process generates recursive economic leverage.

The microeconomic objective is therefore not AI adoption, but **Intelligence Capital yield** — the rate at which an enterprise converts AI investment into durable, process-owning intelligence.

The Enterprise Intelligence Yield Curve

Enterprises progress through three economic states:

1. **AI Expense:** AI tools reduce friction but increase complexity. ROI remains marginal.
2. **Intelligence Capital Formation:** AI systems begin to own workflows, retain memory, and improve autonomously.

3. **Intelligence Capital Compounding:** Each workflow strengthens the next. Marginal returns accelerate.

Most organizations remain trapped in state one while believing they are in state two.

Intelligence Capital Generators

True value is produced only by **Intelligence Capital Generators** — systems that:

- Own a defined business process.
- Retain institutional memory.
- Operate under auditable control.
- Improve their own economics over time.

These systems displace external cost, compress cycle time, reduce error, and institutionalize knowledge. A portfolio of Generators constitutes the enterprise's Intelligence Capital stock.

Portfolio Economics

Intelligence Capital must be governed as a portfolio:

- Many Generators will fail (99.97% is optimal).
- A small number will dominate returns.
- Winners will more than repay the cost of losers.

This is not waste. It is capital discovery. The enterprise that understands this moves from pilot theater to Intelligence Capital economics.

The Intelligence Capital Mispricing Argument (Reframing the Bubble Debate)

AI is widely described as a speculative bubble because of:

- High failure rates

- Heavy capital expenditure
- Concentrated returns
- Extreme valuation dispersion

These are not bubble indicators. They are early-stage Intelligence Capital pricing signals. Markets are not mispricing AI tools. They are pricing future Intelligence Capital dominance.

Why Failure Rates Are a Feature

Every Intelligence Capital transition in history has required massive experimentation:

- Automotive manufacturing
- Television
- Semiconductors
- The internet

Failure is the discovery cost of dominant Intelligence Capital architectures.

A 95% failure rate is not destruction. It is capital formation. It arguably should be 99.97%.

Why Capital Is Concentrating

Intelligence Capital exhibits power-law economics. The owners of cognitive infrastructure capture most returns. This is not speculation. It is structural inevitability.

Why Capex Looks Excessive

What looks like excessive spending is actually:

- Infrastructure control
- Talent absorption
- Data gravity
- Compute sovereignty

These are Intelligence Capital land grabs. Markets are not paying for products. They are paying for future Intelligence Capital monopolies. In order to understand the capital expenditures of hyperscalers, it is helpful to look at comparative spending.

To date, critics of valuations have looked at absolute figures of Google’s capital expenditures (for example) for the period 1998-2005 and compared it to the capex of OpenAI and Anthropic for the period 2018-2025.

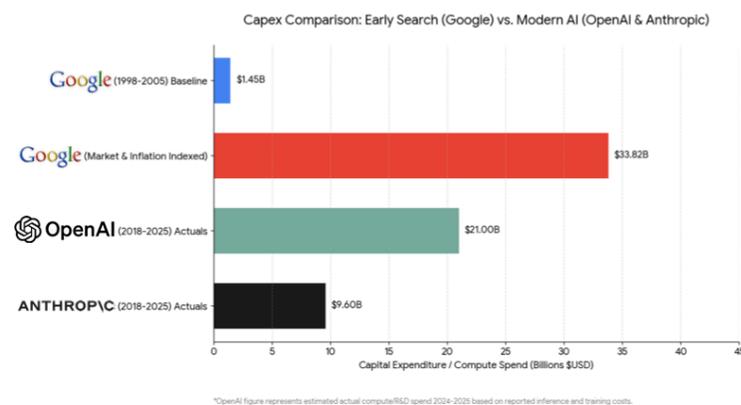
First, we need to adjust for inflation. Immediately there’s an adjustment on Google’s spend. But that’s not sufficient to explain the difference.

It’s important to examine different pools of capital and their relative sizes, 1999 versus 2025. Public equities, during that period, grew from about \$28 trillion to around \$148 trillion or 5.3x growth. However, examine the private markets. In 1999, they were around \$750 billion (\$0.75 trillion). In 2025 they reached \$17.5 trillion, a 23.3x growth.

Asset Class	1999	2025/26	Growth	Role in the Economy
Public Equities	~\$28.0 Tr	~\$148.0 Tr	~5.3x	High-liquidity, retail-accessible growth.
Bank Lending (Total Credit)	~\$35.0 Tr	~\$115.0 Tr	~3.3x	Primary liquidity for HH & SMEs.
Private Capital Ecosystem	~\$0.75 Tr	~\$17.5 Tr	~23.3x	Strategic, long-term institutional ownership.

Sources: Preqin, Bain & Company Global Private Equity Reports, and US Federal Reserve Flow of Funds

It’s impossible to understand the context of capital spending by private hyperscalers without appreciating the new depth in private capital markets. Having a pool of risk capital that is prepared to underwrite creating a new market introduces an adjustment factor on capex, to reflect the relative proportion of venture space consumed by a company. Venture capital valuation methodologies include techniques that are different than conventional DCF stock analysis.



Sources: Google S-1 (2004) and 10-K (2005); The Information; Bloomberg; Amazon disclosures; Anthropic; Preqin; McKinsey; World Federation of Exchanges; Statista; UBS Global Family Office Report 2024; Sovereign Wealth Fund Instituted 2025 projections; Imperial College London analysis.

Consider this: Visionary Future analysis suggests that the dominant companies in AI, who are from the private venture markets, will enjoy a valuation of \$8.5 trillion (base case) by 2033. Market evolution trends teach us that we will see a winner-take-most or winner-take-all market. If you have unlimited capital in 2026, what is a reasonable amount of money you would put into *guaranteeing* that you will 'win' in 2033? The rational answer is somewhere between \$1 trillion and \$2 trillion. Because there isn't much else out there that has this kind of *investment capacity* that can generate this kind of return. If you can make 4X your money in 7 years, you are doing better than the general index funds in the market. If you can derisk that return by deploying a little more capital, you will.

Consider: the sovereign fund of Abu Dhabi, ADIA (which stood at \$1.7 trillion as of December 2025), needs to generate \$5 billion *per week* of returns, just to keep pace with its hurdles. With large sovereign funds demanding returns, and hyperscalers providing returns in a scalable investable capacity, it is not surprising that we see the kinds of spending and investment levels that we are seeing.

The Mispricing Is Backwards

The real risk is not that Intelligence Capital is overpriced. The real risk is that most enterprises are not priced at all for their Intelligence Capital deficiency.

The Intelligence Capital Labor Inversion

The labor market is not collapsing. It is being bypassed. This is the **Intelligence Capital Labor Inversion**.

The Structural Mechanism

Historically:

Growth → Hiring → Output

Now:

Growth → Intelligence Capital → Output

Hiring becomes optional. Intelligence Capital absorbs the marginal productivity contribution before the job is created. This produces the **phantom job effect**:

- Not mass layoffs.
- Permanent job non-creation.

Why This Is Invisible

Because Intelligence Capital does not appear in employment statistics. It appears in:

- Shorter process cycles
- Lower headcount scaling
- Higher output per worker

The Inversion

Labor is no longer the primary growth conduit, Intelligence Capital is. This is why Okun's Law has inverted. This is why GDP rises while employment stalls.

Enterprise Consequence

Enterprises that generate Intelligence Capital do not need proportional workforce expansion. Enterprises that do not generate it cannot compete on cost, speed, or accuracy.

From Intelligence Capital to Enterprise Doctrine

This paper began with a macroeconomic anomaly: growth without jobs, capital without dispersion, productivity without labor. It ends with an enterprise doctrine. The same force explains both:

Intelligence Capital.

At the macro level, Intelligence Capital breaks historical labor-output relationships. At the micro level, it breaks traditional ROI models. At the enterprise level, it becomes the dominant source of advantage.

AI is not the revolution.

Intelligence Capital is.

Enterprises do not compete on technology. They compete on their ability to generate, govern, and compound Intelligence Capital.

This is why:

- AI pilots fail.
- Capital concentrates.
- Labor decouples.
- Returns accelerate.

They are all expressions of the same underlying transition. The enterprise that understands this no longer asks:

How should we use AI?

It asks:

How do we generate Intelligence Capital faster than our competitors?

And that question changes everything.

Conclusion

We are not entering an AI economy. We are entering an **Intelligence Capital economy**. And in that economy, advantage belongs to those who do not merely adopt intelligence — but generate it.