
Our Academic Mediocracy

Human Capital and Social Responsibility shortfalls in Grad Schools and Faculties

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Our Academic Mediocracy (OAM) is a research article that studies the broad refusal of Human Capital, new science, and research in socioeconomic collapse by major Grad Schools. The CASE STUDY researches a consistent failure by non-science faculty chairs to permit new science for reading at a Ph.D. level as proposed by a pre-eminent econometric research scientist and leading expert in Global Leadership in 2019 and 2020. OAM asks the question is our civilization's support of contemporary academia misguided; citing examples of socially irresponsible curriculum and also Crimes against Humanity. Transition Economics (TE - <http://TransitionEconomics.info>) is the quantitative and predictive econometric science developed by an independent research group in Toronto, Canada; it comprises 90% of the world's largest econometric library WAOH; and, TE is a core curriculum method and governance explained in the Global Leadership Book of Knowledge. Grad School responses were similar at eight major international Universities - Harvard, University of Toronto, Paris Sorbonne, Oxford, Cambridge, London School of Economics, McMaster, and McGill. The Case Study explains seven areas of concern and makes fourteen project recommendations.

Keywords: Grad Schools, Curriculum, Global Leadership, Evaluation and Assessment, Human Capital, Post-secondary Education

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1 Research Background

This Case Study was put together in as brief a format as possible. Brevity is hoped to force a high-level view of the problems discussed and to keep focus at a well-supported "forest" level of problem-solving and solution rather than to present an exhaustively detailed research paper. Conclusions are supported by cited external research without burdening the report with deep-dive rabbit-hole explanations of individual "tree"-level topics, but this balancing act may leave some readers finding conclusions insufficiently supported. For this reason, the author encourages clarification requests and also revision updates when warranted - on a 90-day SLO.

This is a living document with revision controlled updates and monitoring reports. The article will include corrections or document failures as appropriate. This research article prefers to present a larger case-study sampling, so more example subjects may be added in time.

Academic Governance here is consistent with methods documented in the Global Leadership Book of Knowledge (Tilley, 2021)

The author makes every effort to suggest best-practice and proven solutions to all problems raised.

The Researcher who conducted this study is an accomplished Finance and IT Executive, a civil engineer, recreational pilot, and non-profit association community leader. Mr. Tilley counts among his career accomplishments the creation of Canada's Internet; Government, Finance, Energy ERP Infrastructures; and Gartner's #1 International Service Management "Cloud" (2003 - 2013). Edward built startup competitors to \$30-billion AirBnB, Zillow, and Tableau; Worthwhile Industries (the world's largest corporation), Model Economy * Model Society - MEMS, and two-million

lines of code over 40-years of development. Edward managed operational budgets in the billions of dollars annually with thousands of professional resources in mature Project Management Offices that managed 900-projects yearly.

In the course of raising five children, for six-years Mr. Tilley volunteered a thousand hours of his time annually as President and founder of Oakville Minor Football (from 2008 to 2013). He watched waves of divorce crash down on more than a thousand local families until he realized that broad social collapse was worsening in Canada and that this collapse was unreported as well. This started him problem-solving a puzzle that men like Dickens, Hobbes, Hugo, Orwell, Aristotle, Aurelius, and many others, had examined throughout history when their children or society broadly struggled to start families and find good lives.

Six-theses and 40-scholarly articles followed; the first course was CSQ Common Sense 101 (Tilley, 2014b). Common Sense is the social benefit of our decisions, so this textbook helped high school students to understand responsible civics alongside the tools and techniques needed to succeed in school, and the projects needed to build a terrific future through strong leadership and goal-setting. (CSQ 100-Year-Plan (Tilley, 2014a))

"World Peace" (Tilley, 2015) cherry-picked just the 100-Year-Plan Projects needed to build all of the basic needs of a self-sufficient society, which included many of the United Nation's Social Development Goals (SDGs). Ta Biblia proved that stating goals builds little by itself, so World Peace's Engineering Plan assigned specific development projects to 200-countries and asked the United Nations to lead the Program and Project Management effort. The epistemology of project management here differed little from the hundreds of successful projects that Edward led in his career.

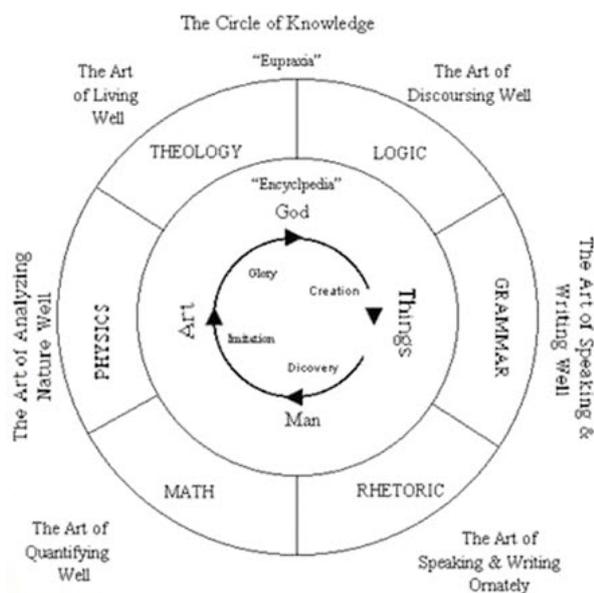
ties that trickle-down to feeder school systems at secondary, middle, and primary age-groups. Missing from our curriculum today is a science that reliably explains social and economic advance or collapse. By Aristotle's Scientific Method, "observation" showed that the economies of 70% of 207 nations were collapse-trending before COVID. This empirical 70% measure compares trade surplus nations versus trade deficit nations, supposing that a trade deficit denotes failings of self-sufficiency as spending exceeds revenues.

Micro/Macroeconomics and Doughnut Economics are examples of curriculum created by our universities based on theory alone, with foundational principles (that were) never validated by a scientific evidence-based method (epistemology). Micro/Macro explains Wealth-theory while Doughnut prefers Socio-environmental Sustainability to build strong economies. So what is wrong with theory?

A chimpanzee with an appropriately-designed dart-board has a 50% chance of choosing successful policies, and even this approach has a higher probability of success than the actual 70%-collapsing track-records created by Micro and Macroeconomics trained economists. Current teachings in economics, business, and civics have clearly created imbalance and collapse.

Doughnut (Raworth, 2020) applies math on top of social policy that is correct for mature capitalisms, but it can't explain which policies are needed to achieve its goals and nor can it explain why social contract is important either. Doughnut may appear quite adept for about 20-years until a boom returns again, and then of course it will be far less successful than many micro and macro theories, because it is not a science.

So now, how do we build a science that corrects the shortcomings of mere theories?

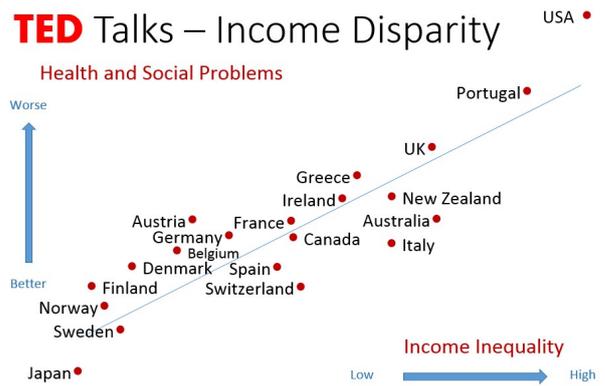
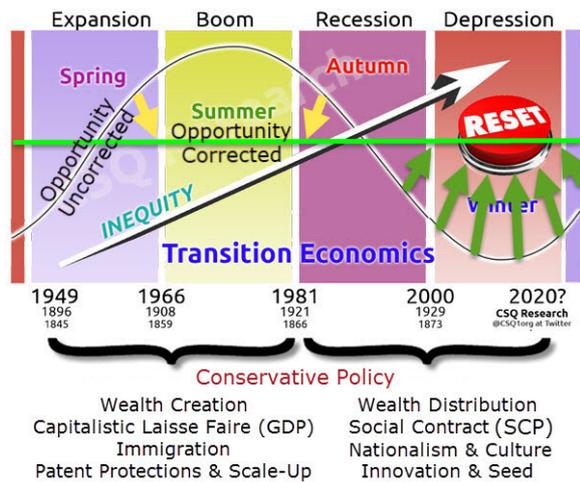


Aristotle created our system of curricula in universi-

1.1 Transition Economics

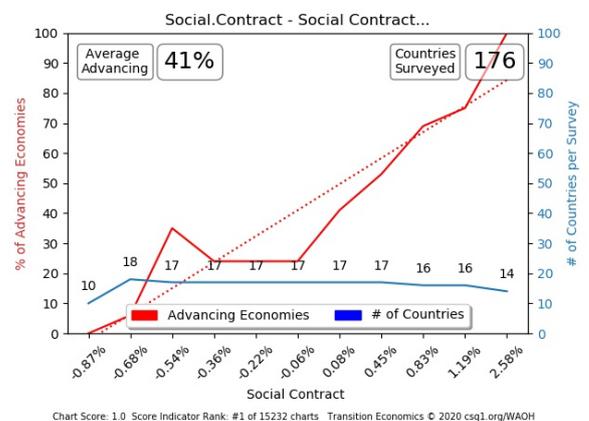
Mr. Tilley began problem-solving and designed a simple, evidence-based, highest-probability-of-success system which he called Transition Economics (TE). TE explained both economic booms and mature capitalisms, and then it also allowed policy to smoothly transition away-from the imbalances of both extremes - and toward the balance needed for consistent advance in today's economy and in every Kondratieff-Wave Cycle phase (also called Business Cycle, K-Waves, and other). The green horizontal line in the following chart represents TE's goal of policy-led consistently-advancing socioeconomic success.

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After considering a larger number of indicators, nations with high rates of social problems had trade deficits 100% of the time, while 100% of low-social-problem nations had a trade surplus. A few simple truths helped here too. A vendor who takes less from a day or year of market trade can truthfully be said to be trending towards collapse. Nations with low occurrences of social problems show higher national productivity, higher exports per capita, and monetized capitalistic opportunity better. Self-sufficient nations are less impacted by their collapses in trade than nations that must rely on those trade revenues to purchase and import essentials. With research, the question "Was this apparent causality coincidental?" could be answered computationally. The next question became which other variables determined advancing and collapsing economies?

The thesis *Transition Economics* (Tilley, 2016b) was printed in January of 2016 and within a year TE evolved into a quantitative evidence-based curriculum for a new data science and the largest online context-driven econometric library in the world today - WAOH (Tilley, 2018b). CSQ Research summarized all needs of a society into a Sustainable Societies Programme, and began creating a curriculum for the emerging academic field of Global Leadership. By January 2018, another 600-page thesis - "Managing Mature Capitalisms" (Tilley, 2018a) created a quantitative Proof for Dicken's contention that "Mankind is our Business".



This TE Proof (TEP) approach is as important to evidence-based Economics as was Einstein's $e=mc^2$ algorithm to Physics in 1905.

Where Transition Economy (Wikipedia, 2020) described the one-time, one-way process to change Soviet economies to market economies between 1984-2011, Transition Economics is a quantitative evidence-based science that transitions policy to ensure mathematically-certain socioeconomic advance in every nation.

Interestingly, Kondratieff Waves (K-Wave Cycles) were confirmed by a Soviet Economist in 1925. Joseph Stalin commissioned him to chart a course for Russia in 1935 and had Stalin accepted Nicholae Kondratieff's explanation instead of martyring him for not reporting what he wanted to hear, Stalin and Khrushchev might have monetized the Soviet economy by enabling broad productivity during the boom economies of the late 1950s as did the United States under FDR's humanistic policies. The Soviet Union's economy could have equaled and perhaps even exceeded the United States' great success after World War II - as China began in the 1990s. Like Hitler's Germany, the Soviets and NAZI societies fell by their systemic failings of empathy. All civilizations in history that allowed themselves to descend into what the Bible, Nuremberg Diaries, and Aristotle termed "Evil", shared this same fate.

Like most scientific development, a period of extensive trial and error yielded occasional patterns until a reliable pattern emerged.

A 2013 TED Report by the late Professor Richard Wilkinson of Edinburgh University provided a primer (primer is pronounced here with a soft 'r' sound); an algorithmic key - which showed G20 social problems were correlations of their inequity levels. Social problems would later prove to be causal and predictive similarly - across 160 countries (Wilkinson, 2013).

Continuing a manual process of analysis confirmed that the foundational principles for most Wealth-theory in Micro and Macroeconomics were unsupported both in data science analytics and in historical economic observation as well. What remained outstanding was the project to create an extensive data science tool to process and compare approximately 60,000 amplitude-ranked frequency distribution Proofs. The tool was called Model Economy * Model Society - or simply "MEMS" (<https://csq1.org/MEMS>) (CSQ Research, 2019).

In 2019, most indicator reports were ranked by MEMS and posted to the WAOH library for the first time. Reports of rankings proved that policy decisions based on key economic indicators can create economic advance with near-100% probability.

The 2011 Brad Pitt movie MoneyBall described a similar quantitative science - SaberMetrics, just as Casinos maintain a higher probability that every transaction can create a reliably successful gambling operation. When sufficient transactions are available, Casinos can never fail - as a mathematical certainty.

Productivity / Social Contract / Confidence of Good Lives - builds strong economies reliably, and most of Micro and Macroeconomics' Wealth-theory and hidden reporting of hard lives collapses them (Tilley, 2016c; Martin, 2019; Powell, 2016; Gabriela Ramos, 2019). In the case of an economy, there will always be a sufficiently-high-number of transactions, so assigning the highest-probability-of-success policy can always create a successful economy here.

To assist and validate this work, Mr. Tilley reached out to his local university to supervise the reading of the new science. A local professor was immediately interested to assist, so naturally, Edward prepared a Ph.D. Candidate application and tried to forward it on to the McMaster Finance Grad School. Four faculties could read this work - Economics, Business, Finance and Social Sciences; so, Edward's first choice mimicked his Worthwhile Capital work in Finance. All faculties refused to permit his application citing their Grad School's screening process which mandated tricks of high-school math and inaccessible English (GMAT/GRE testing); a requirement that is routinely waived for Executive MBA applicants. The application was refused because there either wasn't a Ph.D. placement available or because a standard application process was insisted on.

At the end of the day, an adult conversation is the last thing one could expect from this or any Grad School. Applications would only be heard by a standardized approach for typical academic students. Grad School methods contribute to collapsing societies reliably, but any discussion of bringing existing research and Human Capital was not welcome nor heard by any of the case-studied Universities.

2 Introduction

For purposes of a Case Study, our topic is important and our example candidate is a worthy individual; "a ringer" in fact - an ideal applicant that few university professors can equal for real-world career experience and subject matter expertise. Edward Tilley is an individual who wants to author a whistle-blower article on academic mismanagement about as much as the reader might like to read that their life's work has contributed to systemic collapse. So, if this is not a welcome report, it is an essential report.

Edward Tilley is an expert in very-large, very-complex problem solving, socioeconomic planning, science, common sense, and civic leadership. Mr. Tilley is an expert in very-large, very-complex problem solving, socioeconomic planning, science, common sense, and civic leadership. More compelling than this, however, is what this Candidate would do with a Ph.D. credential once earned; his Worthwhile Industries (<http://worthwhileinc.com>) builds a Finance Industry-led engineering plan for sustainable World Peace, Sustainable Development Goals (SDGs), and some of the most beneficial productions and corporations on the planet.

With constructive feedback, this working paper is hoped to evolve into a policy recommendation for integrating Human Capital and a more socially beneficial definition of Global Leadership in Grad Schools and Faculty curriculum.

2.1 Why is Change important in Grad Schools?

Today, Grad Schools are the place where progress and science come to die; it's where experts are culled from the herd to ensure that indentured followers and adopted group-thinking can be forwarded to high stations in our society.

The use of language for impact here hopes to remind readers that the forwarding of reliable social and economic science - is an overlooked essential priority. This article could have as easily been titled "Our Academic Integrity" but estimating how important a working socioeconomic science is, is an attempt to quantify the importance of the survival of our global civilization. For a Global Leadership Faculty, this is nothing less than a Grail quest for the key to a reliably sustainable World Peace.

An important new science was halted in 2019 and 2020 by eight leading major international Universities, whose administrators, processes, and Deans succeeded i) in protecting their institutions from a Ph.D. Candidate request to read Transition Economics (TE) within a supervised peer-review setting, and ii) in confirming that a correctable bureaucracy of systemic mediocrity - a *mediocracy* - has been permitted a foothold here, and allowed to evolve and entrench within our highest

centers of learning.

2.2 What is a Mediocracy?

To permit a mediocracy, admissions clerks, Deans, State quality-assurance Boards, University Presidents, unscientific peer-review epistemology, and even politicians and voters - each ignored evidence of social collapse; ignored expert human capital expertise; and ignored common sense social benefit in curricula. All Grad Schools preferred an admission process designed for young Masters applicants who rarely carry with them more-than five years of working experience nor important completed individual research.

McGill's Grad School Dean summarized this very well, and I paraphrase here to say that his Ph.D. programs were focused on training university teachers, and were not designed to review new science nor the validity of the curricula that new Ph.D. graduates would be taught going forward.

Grad Schools in Economics, often require as a minimum, a command of double-integral calculus. Ironically, Isaac Newton - the inventor of Calculus, warned against unnecessary obfuscation specifically:

"Truth is ever to be found in simplicity, and not in the multiplicity and confusion of things"

Piling math on top of proven-false theory doesn't change the reality that the underlying theory is unsupported in evidence-based science. The approach of continuing to use Wealth-theory in curricula, lures unsuspecting Grad Students, researchers, and professors into creating a 100% false peer-review rate faculty-wide.

By blocking experts who have had no credible opportunity to credential (see Credentialing), an irresponsible Grad School admissions approach permits current curricula to never be challenged.

I will cite three additional examples of why an ignored mediocracy is a truthful concern today. Consider:

Mature Capitalisms are the mathematically-certain imbalances of reliable incomes and rising cost-of-living in any healthy capitalism. For a detailed explanation refer to <http://TransitionEconomics.info> (Tilley, 2016c). Mature Capitalisms are documented for 3,500 years in Leviticus 25/26 and on the Code of Hammurabi (1763 BCE) - as a dangerous, expensive, predictable, preventable, and recoverable financial phenomenon; and it's a phenomenon which contemporary Economics dismisses entirely too. Maturity imbalances take approximately sixty-years to emerge in any unmonitored and uncorrected nation, which is why Hammurabi suggested pre-emptive 50-year Jubilee Year resets - as opposed to annual mini-resets or Transition Economics' policy-balancing approach below.

Most economists regard fellow-economist Nikolai Kondratieff's "Waves" or Cycle Economics as "fringe"

theory, while a spreadsheet can be created to prove it mathematically certain in approximately five minutes. Then, there is also the observable history which we see in the following list.

Year	Mature Capitalism	Reset
2008	The Great Recession	No Reset as Yet
1930	The Great Depression of 1930	No Reset World War II
1894	Long Depression of 1880 and Panic of 1894	No Reset World War I
1835	The Great Depression of 1835	Peaceful Reset California Gold Rush
1772	The American Depression	War of American Independence
1700	The North American Tobacco Depression of 1700	Peaceful until Seven Years War
1640	The General Crisis – the worst Great Depression of all time	Many Wars globally

Franklin Delano Roosevelt (FDR) instructed us very well in recovery best-practices for mature capitalisms, when he turned-around our last Great Depression to create the greatest economy and society in history (Sunstein, 2006). Curricula in Grad Schools don't teach these lessons-learned, and instead Economics students teach proven-failed Wealth-theory with foundational principles of Supply, Demand, Profit, Consumption, GDP, Stock Performance, etc. - alongside related monetary and political policy like Low Tax, Laissez-Faire, Open Markets, Globalization, Sales Economies, and similar.

We are never taught - as we should be, that these are the same policies that led to the Great Depression in the 1920s. Nor are we taught that right and left political parties have a responsibility to forward conservative or liberal approaches to sustainable policies **only**. Herbert Hoover used unsustainable capitalism to build the Great Depression and FDR used sustainable capitalism to correct that collapse. Today we find FDR's proven policies dismantled over the past 40-years, without academic mention.

#	Policy	FDR's Proven New Deal	ACT	NDP New Deal	Conservative	PPC	Liberal
Sustainable Policy		9 of 9	9 of 9	3 of 9	0 of 9	0 of 9	0 of 9
1	Nationalism & Culture	Yes	Yes	PARTIAL Yes - Business No - Immigration	No - Status Quo	No	No
2	Social Contract	Yes	Yes	YES - but No Plan	No	No	No
3	Full-Employment	Yes	Yes	No	No	No	No
4	Empathy	Yes	Yes	Yes	No	No	No
5	Affordable Home Ownership	Yes	Yes	YES - No Plan	No	No	No
6	Low Cost of Living	Yes	Yes	YES - No Plan	No	No	No
7	Income and Wealth Distribution	Yes	Yes	No	No	No	No
8	Debt Forgiveness	Yes	Yes	No	No	No	No
9	Single Income Families	Yes	Yes	No	No	No	No
Neutral & Unsustainable Policy							
	Immigration	No	No	Yes	Yes	Yes	Yes
	Diversity	No	No	Yes	Yes	No	Yes
	Foreign Investment	No	No	-	Yes	Yes	Yes
	Low Social Contracts	No	No	No	Yes	Yes	Yes
	Housing Bubbles	No	No	No	Yes	Yes	Yes

If the scientifically supportable assumptions made by Transition Economics (Tilley, 2016c) are accurate - policies are either sustainable, neutral, or unsustainable. This means that our Left and Right political parties in North America forward unsustainable policy

almost exclusively as confirmed in both science and by observation, as summarized on the chart above. Unsustainable policies create collapse with mathematical certainty, yet they are unchallenged by academia today; and are supported and voted for by faculty, staff, and students upon graduation as well. Again, the democratic system of offering a conservative versus liberal approach to policy never intended to permit unsustainable policy entirely - as it does in today's mature capitalism.

Not only have unsustainable policies observably weakened our societies again as they did in the 1920s, but the collapse is hidden by Micro and Macroeconomic reporting and also encouraged by the teachings of unsustainable curricula in finance accounting, procurement, business/MBA programs, asset management, markets, human resources, and in the civics training of irresponsible political science.

Blocking sciences that challenge the teaching of mathematically-certain democratic collapse is our first example.

Anti-family-values (Diversity and Female Equality hiring, employment, and funding policies) and Inequity is a second example. Teaching young women to aspire to a fuller-life through career, are policies endorsed by most high-income-nation universities. 94% of 70-high-income nations have unsustainable birthrates today. Canada's 1.5 fertility rate ensures that this nation loses 30% of its population, language, culture, social contract, and economy every 20-years. Simple math explains that Canadians forfeit 1,650 children per day; one life every 53-seconds, and research attributes thirty serious social problems to anti-family-values policy (Tilley, 2017). My own four girls are 23 to 31-years-old; and like all of their friends they have nothing - no homes and no families of their own. Canada has the highest male to female suicide ratio in the G7, and yet universities teach diversity and female equality in Human Resources, Business, Government (in the Canada Business Corporations Act and elsewhere), and in Women's and civics social studies right down to the lowest primary school level. We indoctrinate utilitarian family models beside core family models in grade two, while excluding important patriarch and matriarch roles entirely. "Toxic Masculinity" bullies young men no different than "Emotional Women" bullied females.

It takes 3.0 children per woman to grow any population, 2.2 is break-even, and 30+ year pensions are needed to create economically productive families in retirement. We don't teach our sons to be socially irresponsible and to "do anything you want", and recently it took a report from the local army to stir media into confirming that Canada's elderly family members are far too ill-cared for too. Female Equality - mandating women to work equally beside men - in double-income-traps or single-parent homes, is a failing of common sense and social responsibility.

The first North American University was Harvard,

and there was an important reason why it was established on Truth and Scripture in 1692. The reason that scripture was as important as truth, had little to do with religion. Bibles are textbooks that teach us about sustainable societies and these are lessons that we aren't born with - they must be learned. As the founder of evidence-based quantitative science in Economics, I can assure that 90% of policy found in Bibles are scientifically sustainable and important (predictive and causal to success) - see citations at <https://csq1.org/WAOH#Bibles>. North America's founding-father Puritans understood this far better than we do today. The sponsors of Bibles were pragmatist leaders and scholars - and certainly not religious figures.

Ambiguous terms can easily become weapons of mass distraction. "Diversity", for example, might mean seven different things to seven different people, with research explaining that six meanings are unsustainable policies and only one meaning is sustainable policy. Invoking unsustainable policy in a mature capitalism is socially irresponsible and only sustainable policies are good and empathetic leadership during today's economic imbalance.

Where things get confusing for economists and for everyone else, is that many **unsustainable** policies help to monetize the abundant opportunity present during boom economies - Immigration, Laissez-faire, Small Government, and others. We all saw that immigration was a benefit in the 1960s and in the 1850s, so why isn't it a benefit today? The answer is that Immigration will create a hyper-competitive setting that increases unemployment and reduces productivity today. Transition Economics balances policy changes/transitions between boom economies and mature economies to ensure consistent economic advance in keeping with any capitalism's present state of balance or imbalance.

TE explains why Micro and Macroeconomics theories might work well in boom economies just as it explains why Doughnut's goals will be more appropriate during a mature capitalism. Because Transition Economics is an evidence-based science, and not theory-based, it can prevent Mature Capitalisms entirely and then optimally monetize the abundant opportunity of boom economies too.

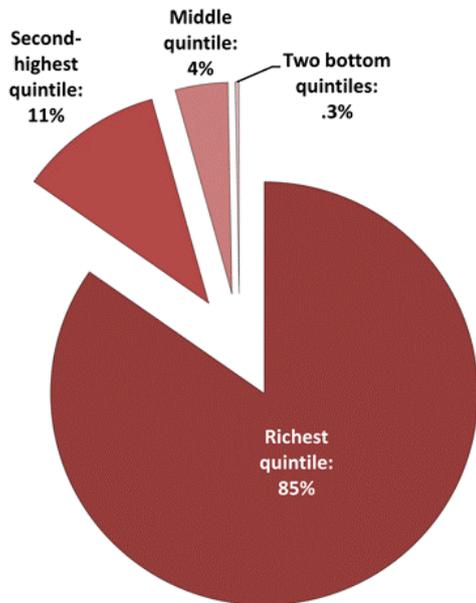
Offshoring, on-shoring, and immigration - are unsustainable policies - that are encouraged by Diversity policies during today's mature capitalism. Its the wrong time for these policies, so running them now is socially and economically irresponsible.

Racism, bibles explain, is unacceptable at all times - as is sexism, ageism, and any systemic failing of empathy, respect, and social responsibility. How we solve the problem of racism is not by insisting on racism, sexism, and ageism in hiring quotas. Rather, we begin with a causality discussion that explains racism is a failing of financial opportunity (in mature monetary system societies). Trying to solve the symptom

of racism without solving its root cause of systemic inequity and poverty, will cause resentment and has certainly gotten people killed in most revolutions and wars in history. All Lives Matter because what happens when you solve a symptom and ignore the underlying cause? The problem re-manifests itself reliably - and worse than before. "Diversity" distracts us from addressing Inequity, and therefore, avoids addressing causal problems directly.

Blue-collar workers own modest homes, with modest savings, and pensions - but per the 2010 Federal Reserve Budget Report, 40% of U.S. citizens own nothing (0.3%). 130-million Americans live on starvation wages today - unreported by a democracy afforded no responsible civics training, no responsible vote, and \$1 billion annually in political messaging and advertising instead.

Chart 2: Distribution of wealth in the US by quintile, 2010



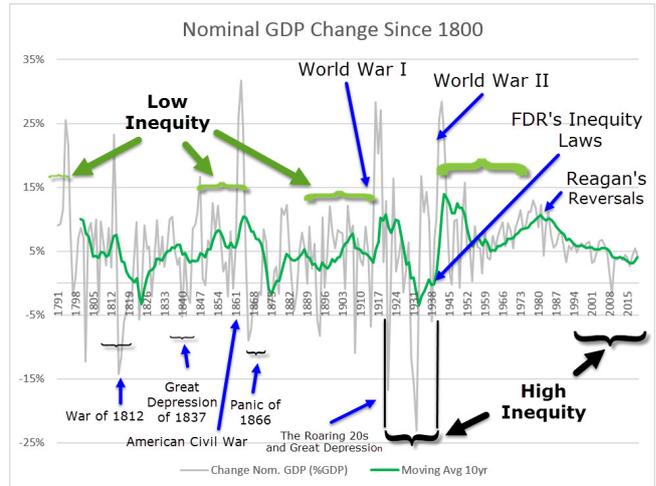
Source: Adapted from Norton & Airely, 2012, <http://ppd.sagepub.com/>

Through the 1970s and 80s, many economists suggested that America's success was the result of War or Government Spending, but this is clearly incorrect as spending and production don't align consistently.

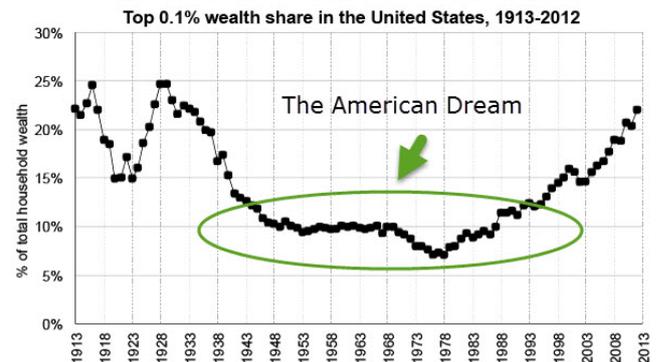
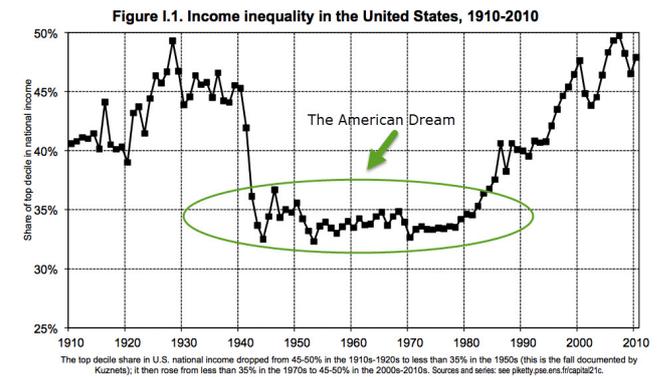


A 220-year Nominal GDP-Growth chart highlighting "10-year-Moving-Averages and Inequity" assures us that inequity levels over time in the United States have reliably created economic stall or boom. The following chart also shows that today's high-level of

inequity has created low GDP-Growth levels not seen since the 1930s.



FDR corrected both an income and wealth inequity problem in 1941, that created the greatest society and economy in history; but where is this messaging being taught today? Nowhere, and an academic mediocracy who prefer belief-systems, religious narratives, and proven-failed theory while actively blocking science, explains why this occurs in our Grad Schools.



Finally our third example is leadership. Individuals and small team partnerships are smart, but groups are dumb. The bigger the group, the dumber are its decisions too very often. The term "inclusive" might imply that every voice is equal and should be heard; and that experts should have a single vote just like everyone else. Rubbish. Leadership and governance by experts is as essential as collecting the needs of every stakeholder while designing a working solution.

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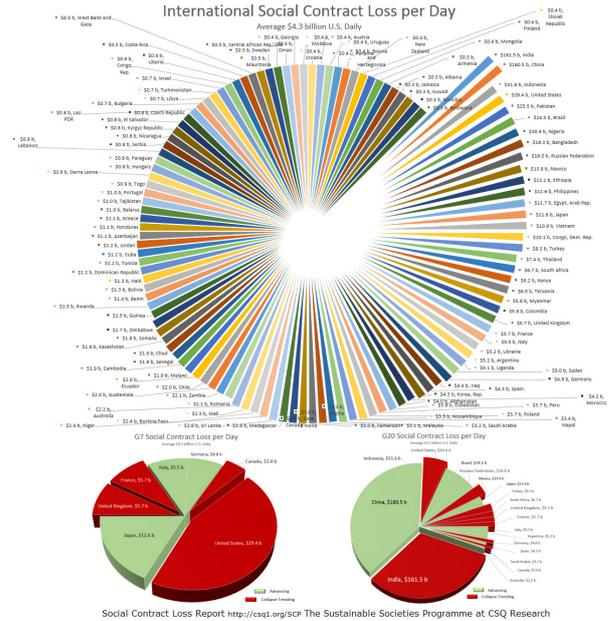
And, by "expert", we aren't referring to people who are simply given job titles; Justin Trudeau was an acting coach before being handed the top job of a nation. A job title does not imbue expertise; and handing a senior job title to a junior generalist non-expert is a socially irresponsible action as well. It isn't reasonable to expect everyone to equally and fully comprehend the pros and cons of a topic as can a subject matter expert - SME.

Everyone can have an opinion; expressing it whenever you might like is not contribution. There is a place and time in best-practice project and life-cycle-management operational process that makes great use of invaluable inclusive opinion-gathering and sharing, otherwise opinions are simply thrust about unconstructively as we see in social networks today.

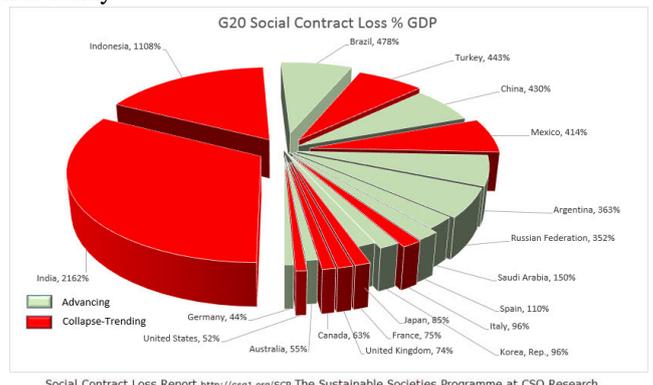
Aristotle explained that Democracies are an evil form of governance in his book *Politic* in 322 BCE, perhaps because majorities have starved minorities to death by this inclusive system. Socrates was sentenced to death at age-80 for teaching students merely to question, by Athens' first democracy. In fact, almost every democracy in the world is a Republic with a Constitution and Bill of Rights that protect all citizens for exactly this reason, and only FDR-Constitution nations navigate mature capitalisms well in large-population nations as well (CSQ Research, 2018a). Aristotle also explained that an individual had to be the head of a household and have attained an age where their children were beginning their way in life before he could comprehend the importance of building a sustainable society.

There is an enormous hidden cost associated with these three example shortfalls. The American economy loses an unreported \$30 billion per day (CSQ Research, 2018b), or 52% of its annual economy, to its low social contract and productivity, with riots in twenty U.S. Cities - soon to be mimicked in a Canada which loses \$4 billion dollars per day and 63% of its annual economy.

Mature Capitalisms also often give rise to great wars and revolutions, because any spark can ignite the powder-kegs of anxiety and desperation here. Our last great war killed 80-million and there has never been a 10-year-period in history with more armed conflicts than this past decade. This was true before World Wars I & II as well.



Again, none of this context is taught by our universities today.



The challenging of curricula is essential whenever current teachings provably strain responsible and scientific credibility. Socioeconomic collapse can never be protected, actively hidden, nor ignored in university curriculum. Responsible Civics and Business Practices must be taught in every educational tier so that well-intentioned, untrained politicians can never prevent a bright future for well-intentioned, untrained voters - as we see today.

This CASE STUDY hopes:

- to understand, document, and correct "Our Academic Mediocracy" in Grad School Admissions policy
- to reliably advance the societies that support universities, credentialing, legitimate peer-review, and the trickle-up curricula of lower schools
- to permit Human Capital; the contribution of experts

In hand, Mr. Tilley's Ph.D. Application (https://csq1.org/articles/Edward_Tilley_-_PhD_Finance_Applicant.docx) presented:

- evidence of socially-irresponsible fiction in the curricula of several non-science faculties

- an obviously well-qualified and even over-qualified candidate, based on resume. To a qualified reviewer, it would be unthinkable to believe that this Candidate could not complete requested research assignments
- on merit, this applicant's Research Proposal was more ambitious and important than a 99.9% of other Ph.D. Thesis research requests

Upon failing to find academic supervision, Mr. Tilley simply learned the eight new computer languages and libraries required, and then wrote and assembled the 300,000 lines of code (<http://csq1.org/MEMS>) (CSQ Research, 2019) - plus research summaries - needed to validate Transition Economics (Tilley, 2016c; Tilley, 2016b). This research and development work was completed over 11-months in 2020 without supervision nor peer-review.

Grad Schools are supposed to be educational cornerstones. In Aristotelian philosophy, this CASE STUDY is worthwhile because it is designed to build strong societies and good lives. TE, and this paper, suggest replacing unsustainable fiction in micro and macroeconomics' Wealth-theory, with evidence-based, socially-responsible science within our academic institutions.

Additions to this CASE STUDY are invited on a case-by-case basis in keeping with any constantly-improving operation's best-practice. Ensuring that future generations do not fall victim to similar mediocre bureaucracies is deemed important here.

3 Human Capital

Human Capital is the leveraging of experience and experts in our workforce.

Harvesting Human Capital is something that capitalisms famously do very poorly. As businesses mature, we train contemporary leaders to "silo", to SOP (Standard Operational Procedure), and to simplify worker's roles in an effort to automate or to outsource people-management, so as to focus as closely as possible on money-making and profit. In North America, even complex-manufacturing tradesmen or the skilled work of mechanics, ERP programmers, engineers, and manufacturing workers are down-played to simple "individual contributor" roles. Canada is one of the few nations in the world to permit the devastation of its technology leadership through offshoring and on-shoring - as seen in the Boeing Jet shutdown incident in 2018. In that example, management's drive to reduce programmer development costs to \$9 per hour forced the shutdown of a broad percentage of commercial airplanes and then airlines too.

Technology leads are considered "unprepared" for leadership and board-level responsibilities, by business leads that have little notion of how their processes are built - nor how they can be extended, optimized, and

also made socially and economically beneficial - as discussed above.

To correct this obvious failing of capitalism, Germany requires line-workers to participate as Board Members in major companies. Here, workers must vote to accept executives and many decisions of the board at large. Not surprisingly, Germany has some of the most consistently impressive manufacturing plants and organizations in the world, where North America lags - and I will use American Car Manufacturing as an obvious example. The Swiss firm ABB Robotics, runs the production infrastructure for most of the world's assembly lines, in a second example.

Countries that don't leverage experts, advance mediocrity in industry and in academia the same. When an inexperienced young generalist manager (MBA) is promoted above experienced skilled experts, that "dumb-down" will infiltrate all corners of an organization. Accountants, trained in unsustainable procurement and business practice, might prefer this approach only to find a few years later that their economy and communities are in broad collapse - which they can't explain because they're OK personally and they'll make bonuses because "they - made smart choices, attended the best universities and faculties, and so can now enjoy their market-rate while others cannot". Everyone else was clearly too lazy - or dumb, or should have flipped houses, or shouldn't have bought expensive coffees, or another excuse - to make a pensioned future for themselves and their family. "It wasn't accounting's fault" - but, of course it was accounting's fault.

Mature capitalisms are created reliably by unsustainable curricula and by the failings of balance, social benefit (common sense) lessons-learned from history, and by failing to leverage Human Capital.

3.1 Credentialing

Canada has a recognized credentialing problem in Technology. In 1982, no local degree programs were available for accelerated-Grade 13 (561) students. After five-years in career, Bachelors programs are too junior and Masters Programs could never catch-up in technology due to rapidly changing standards, languages, and hardware costs (C, C+, .NET, Basic+, OOP, HTML, CSS, SNMP monitoring apps, hardware standards, on-and-on) so time spent in quickly-outdated university courses held no value for experts.

Our case study candidate was a top-2% engineer who built today's technology infrastructures from beta products and his own development in many cases - the Internet, Intranets for Federal Government and International Banking, 30-year ERP & Finance Automation, and later \$30-billion Startups. Academic Credentialing and Human Capital was not understood well enough in Technology Faculties to make it a priority by universities, but they did ensure credentialing was widely available in Business Faculties. This omission denied skilled leaders access to international roles, to Boards,

and to executive posts in organizations that were entirely dependent upon efficiency-enabling systems.

Business graduates were assigned leadership roles over smarter, more skilled, more experienced, and often more social-minded technology leads - based on a weekend E-MBA program that no-one ever fails. This business design betrayed a misunderstanding of social benefit and common sense. IBM stood for "Idiots Become Managers" when I started working in technology, and the author can assure that as 20-year expert middle-managers were replaced (Grant, 2019; Allen, 2012) by MBAs and Human Resource certification-checkers in this past decade, the intelligence and socioeconomic value of most organizations has plummeted. (Giesbrecht, 2019; Virgil Berry Jr, 2015; Tilley, 2016a)

3.2 Two Birds with One Stone

In this study, Mr. Tilley requested academic supervision, reading, and peer-review for an important new science and existing body of research. He also recognized the importance of taking advantage of a rare beneficial opportunity to credential within our Human Capital-adverse academic system. Men don't necessarily want to stop thinking at age-50 after all; those who are tired of 30-years in one career and might like to change paths or simply move on to more senior roles, are going to need to retrain or to credential in this way.

There might be another method to have Transition Economics' new science read and supervised - but none was suggested by any Deans, Grad Schools, Presidents, State Boards, nor any other contacts nor admins along this process. Edward applied to Professor jobs as a way to read TE too, but all institutions required a Ph.D. and this effectively blocked-completely all roads that could vet a new science.

The suggestion that our case study subject could be eligible to earn a Ph.D. credential due in part to his completed years of research work, inspired an Ontario University Board Chair (who was an Entomologist) to be very put-out and to end further discussion after a single email. The last word heard from Ontario's University Governance Board was "He wants a free Ph.D." - which wasn't what had been requested. This was a lower-IQ and more emotional response than expected, but this became the norm for Grad School administrator interaction school by school. All schools stuck to explanations of their narrow parameters of acceptance. Prove this study wrong and then reach out with those examples - if you can; Edward indicated consistently that he was open to hearing a better approach in making this credentialing application - and yet no constructive suggestions were offered.

State academic control boards melted under any scrutiny throughout these applications, "turtling" - withdrawing from any discussion of academic policy

review quickly - and without a formal escalation recourse.

Clearly, in the eyes of this community, there is one way to get a Ph.D., and that is the way that they got their credentials only. No concession could be made to achieve these two goals in a Ph.D. Program at a "prestigious and credible" institution.

If these "prestigious and credible" systems worked to build a prosperous sustainable society, a credible author could not easily document academia's broad facade of competence and import.

Our societies are collapsing; therefore, the Grad School system is self-defeating, and here we also find it is demonstrably defiant toward polite and professional requests for correction.

3.3 Unsustainable Business Policy

Pensions are like mortgages in that their last 10-years are the most valuable to the owner. Five minutes after accountants realized that they could save a million dollars in pension payments per employee - by hiring at age-25 and replacing that worker with a starvation-wage "diversity hire" at age-50, the family pension - and sustainable capitalism - was no longer offered by many major corporate employers in Canada.

Smart, capable, experienced people were "too expensive" and not "a fit" any longer. Their experience and even wisdom was ignored and then after 2010, most senior and often-brilliant technology leads reported great difficulty in maintaining a reliable corporate income.

Curricula now preferred socially harmful policy in business through social-cost externalization, finance accounting, asset management, scale-up funding, procurement, hiring, pre-pension layoffs, and there were also gross failings in political science civics training.

Reports hid problems as Canada became the 137th-worst suicide rate of 180 measured nations. Canada has the highest rate of male to female suicide in the G7 (3.28:1 - before COVID) and the 50-60 age-group sees the highest suicide rate of any other.

COVID cast into stark relief the broad, largely-hidden social collapse and a financial house-of-cards resulting from unscientific curricula in Business, Finance, Economics, Social and Political faculties.

This paper does hope to communicate curriculum concerns concisely as mentioned above, so reach out with additional questions when these explanations and citations fall short. Explanations for many Global Leadership discussions are available at CSQ's Sustainable Societies Programme website (CSQ Research, 2018b)

3.4 Unsustainable Social Policy

I mentioned an example in the "Research Background" above on the training of anti-family-values to our teenagers and young adults. Fathers don't teach sons

to "do whatever you want" because that is socially irresponsible behaviour. And yet we don't train young women in the needs of a sustainable society, nor the thirty serious social problems resulting from diversity and female equality policies: poverty, divorce, starvation wages, low-testosterone and anxiety in teens, the ticking economic time-bomb of lost family pensions, suicide, and many others - see the article "Thirty Social Problems with Female Equality" for this detail. (Tilley, 2017).

Feminist groups in high-income nations sponsor politicians and pursue votes from females (females comprise 50% of most populations), often with calls for Gender Equality, Diversity, and Inclusion. These calls claim research and moral benefit without citation and as a researcher who has looked for these citations for three years, I'm compelled to say that none exist. In low-income and middle-income nations, it's a different situation because violence or low-respect toward women indicates the need for intercession. In 1970's North America (50-years-ago), domestic violence was recorded in 30% of homes - and has today reduced to less than 7% measured over a five year period. The reports have also changed to now measure lifetime experiences of intimate partner abuse, indicating a positive trend while not wanting to under-value the suffering of any victims of assault; one victim is too many obviously.

McKinsey Consulting is an accounting firm who markets their services implementing Gender Equality in multinational businesses and in governments (McKinsey Consulting, 2017). However, none of their research material cites legitimate economic benefit. Instead, it presents profit and wealth measures alongside a misleading accounting term that compares similar project costs between two different economies. By their math, hiring a female workforce to displace a 25-year male workforce before they can retire with family pensions, can save companies \$12-trillion. This is hardly surprising given that denying the last 10-years of a family pension can save any company up to \$1 million per employee. McKinsey's approach starves markets to collapse - but does so off-the-books of their clients. Accountants, CEOs, and now Governments, have adopted this approach and externalized social costs until success is now measured by which company is collapsing more slowly than others. For example, Tesla will sell many more hi-tech Electric Vehicles (EVs) in a booming economy than in today's depression, but because it is selling more EVs than others, it's deemed "successful".

These two groups and agendas are professional progenitors of unsustainable business and social policy. They work to gain power and financial gain from uneducated voters and from business owners who don't understand or care about the long-term harm and high costs they create for themselves and others broadly. Quarterly stock valuation accountability ensures CEOs will continue to install unsustainable business prac-

tices until these are prevented by law. Not every business is a benefit to its host nation, as we are often asked to believe.

Sending every child to daycare, every senior to an old-age home, every adult to sales economy cubicles, and residential housing into commercially-driven bubbles - drives GDP, but it does not build a healthier, happier society. What Wealth-theory does build reliably is revolutions and war, economic collapse, quality-of-life collapse (due to salary and income imbalance), and that diminishes - Productivity.

Political Parties and Accounting Groups that build in this way, and the Governments that permit it, are social pariahs; and the discussion of "are these actions intentional" is irrelevant. In the end, the reason that democracies vote for the unqualified politicians that don't build laws to restrict unsustainable policies is that our schools haven't provided proper protection through civics training.

Empathy - comes naturally in 99% of humans, but decision-making that creates reliable socioeconomic advance - is learned.

Where is Oppenheimer's introspection "I am become death, the destroyer of worlds", when training a generation of young people - both male and female - to create the unknowing 30% population genocide that a 1.5 fertility rate ensures every 20-years? Oppenheimer's Project killed 200,000 and abruptly ended a war that had killed 80-million; Anti-Family-Values policy will deny life to 12-million babies every 20-years in Canada alone; that's 600,000 needed lives lost annually based on its 37-million population.

Iceland is another excellent example as they have already had to enact laws to keep offices from filling with women exclusively, and their population of just 356,991, culture, and language, are imminently threatened by anti-family-values policies. Their democracy recognized the problem ten-years-ago and has as yet been unable to correct a 1.71 fertility rate that weakens them by 5,100+ native Icelanders annually. It would be catastrophic to this society to suggest that they should do nothing and resign themselves to their fate.

A feminist agenda forfeits enough lives annually in Canada, to warrant tabling a "Crimes against humanity" case to justify rescinding voting rights - here, and also in all **nations with low rates of violence-toward-women and unsustainable fertility**. Was Ta Biblia's euphemism of Eve's apple and mankind's original sin, symbolism for the dangers of voting (decision-making) by individual rather than voting by head-of-household; by family? Aristotle was consistently careful to say things carefully, and in keeping, he did not discuss women in politics while he did exclude children outright. He explained the importance of respect, the intellectual equivalence and also superior traits of women, and the importance of representing the best interests of women in government. In Ethics he summarized "the virtuous woman is both ruled and

rules in the household". (Levy, 1990)

Averroes was the twelfth-century Muslim Judge who famously said "Very few can understand the difficult art of academic discussion, and for the rest, there must be the literal learning of laws and lessons-learned in scripture". The defining characteristic of a sociopath is an inability to understand the harm that their decisions cause, and a researched 20% incidence rate of psychopathic behaviour in CEOs confirms that this alarming trait emerges in competitive leadership posts somewhat regularly. Some readers might prefer our cancel-culture's approach to filibuster a discussion of example "trees" here, or to seek to distract focus from the important forest-level discussion of very high and tangible costs of unsustainable policies, but this cannot be allowed in an academic discussion. Denying the loss of a child every 53-seconds to win female votes, is an ugly lie, ignorant, sick, evil, and just one of many very-real costs and consequences of unsustainable curricula.

An academic institution must manage through these very normal human shortcomings and design solutions that contribute and assure social benefit scientifically. And this will be a challenge for any individual who is not trained, or who is mistrained, in what is common sense from a young age. High-IQ (Intelligence Quotient) and High-EQ (Emotional Quotient) define a serial-killer as quickly as a leader; CSQ (Common Sense Quotient) is the more important measure of social benefit in our decisions because High-CSQ confirms responsible leadership.

When something is measured, it can be improved; "CSQ Research" used measures to quantify responsible leadership and good philosophy here, and this approach can be applied to curricula broadly as well. \$4-billion lost daily to low-productivity and 1,650 lives lost daily to low-fertility make a compelling Business Case for rapid change in Canada's academic and political curricula. Every nation with unsustainable policy suffers from the same expensive and correctable problems.

We should all want a university education for our daughters, but then we also need our young women to reach 23-30 years of age with homes and families of their own too. This obvious need is not available for any of my four daughters today - and nor is it an option for their generation. This is a problem requiring urgent correction in five of seven G7 nations, with the U.S. and France a little less urgent only due to higher fertility rates and a lower rate of "feminist incursion" here. If this sounds like "toxic masculinity" or "Aristotle's misogyny" to you, it's sustainable science that some amount of introspective deprogramming may need to come to terms with.

Leadership and the education of a sustainable society is every nation's highest priority. Reversing a broad "dumbing-down", systemic failings of empathy and respect, ageism, inequity; and the improvement of productivity through living wages, family values,

increasing social contracts, home and business ownership, and the leveraging of Human Capital - aggregate to civil benefit, evidence-based science, and its also just good parenting.

3.5 100% False Peer-Reviews

Peer-Review is the gold-standard that is held high whenever discussing research merit, integrity, and a responsible Standard of Research. Teaching a generation of Grad Students to pile math on unsubstantiated foundational principles - in theses and research articles of Economics, Business, Accounting, Democratic and Social Sciences, and even Law - as we have, however, is a gross oversight and abuse of the public trust.

Whenever double integral calculus is piled on unconfirmed theory, you can easily confirm an obfuscation - and a failing of necessary simplicity in science too. For theory-based foundational principles like Demand, Supply, Profit, or Consumption, a TE Proof (<https://csq1.org/WAOH>) can quickly confirm little to no evidence-based support; these reports are meaningless and certainly not causal to economic advance. Meaningful reports like Social Contract, Export-per-capita, Savings, and other similarly causal measures, hold weight easily.

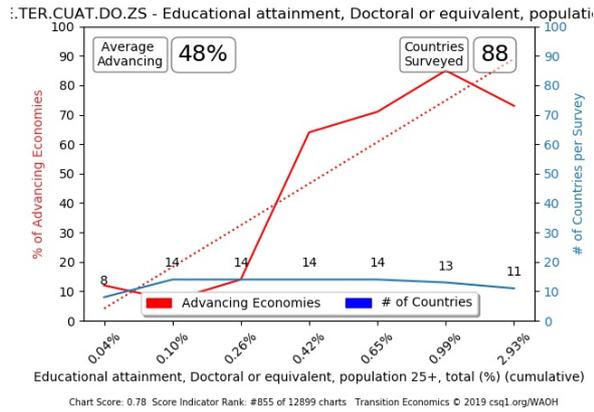
Ironically, Transition Economics presents a straightforward scientific approach and standard for validating articles and peer-reviews.

A ranked list of all known indicators is curated at that the WAOH World at our Hands econometric library cited above (Tilley, 2018b).

3.6 Financial Barriers

To level-set any education and finance discussion, it is important to explain that national debt is very different from personal debt. To confuse the two is a delusion which is pervasive in our society today, only due to the too-low level of civics training afforded to our citizenry. Monetary Systems are a human construct and they are far more imperfect than perfect. Consider the ILO's assessment that 90% of the planet has no pension (Gillion et al., 2000), for one example of many gross failings. Money is, as a fact, printed from thin-air into our national coffers and this fact is important to the discussion of funding our education system.

Our Academic Mediocracy
Human Capital and Social Responsibility shortfalls in Grad Schools and Faculties



Attainment of Ph.D./D-Phil is a causal, economically-important statistic. This means that countries with more "Doctoral Attainments" have advancing economies almost 90% of the time as a provable observation (CSQ Research, 2020a). "Education Spending" is also important because more education spending correlates to advancing economies similarly (CSQ Research, 2020b).

Denying access to applicants and experts on the basis of ability to pay fees, makes as much common sense (social benefit) as demanding tax from individuals who are denied access to income due to the unsustainable hiring policies mentioned above. When a worthwhile candidate can add valuable research, monetarily-recoverable social benefit is gained and there can only be a win-win by allocating public investment to support these requests. The fact that academic organizations do not insist on political policies that waive fees on-request is a clear failing of informed leadership.

Grad School Ph.D. Programs are often funded per Student and per Faculty. A faculty Ph.D. program might only have three positions annually - as was the case with McMaster Finance's Grad School in 2019. Larger schools have more openings, but per the discussion above, these numbers are inappropriately low in Canada. If funding is not available presently, then a student should at least be able to find corporate sponsorship or other funding on their own volition. Corporations that might want to help with educational grants will usually want confirmation of enrollment before promising their help, clearly no-one wants to spend time processing an approval that simply wastes everyone's effort.

Grad Schools often pay their doctoral students, which is fair given that students are often used as full-time researchers by supervising Professors. For young Ph.D. students, this command structure offers a good learning opportunity, but for a leading-expert Ph.D. candidate, it can be inappropriate and even demeaning when the Human Capital that they bring to the research topic exceeds their supervising professor's expertise. A simple discussion and negotiation between supervisor(s) and candidate - can permit important research to move forward on a quality-assured, faculty

and institutionally-compatible peer-review timeline.

A process for negotiating doctorate tasks and timelines with Human Capital experts would correct today's inappropriate entry requirements. I've mentioned that double-integral calculus, is one example of an unnecessary obfuscation for most economic research. To protect important simplicity and transparency in science, TE and other sciences should promise to also safeguard an accessible approach. TE uses simple ranked frequency distributions to double economic productivity and steer economies actively with higher-probability-of-success policies. Transition Economics can also be taught to high school students and voters so that they can determine whether messaging is credible and truthful, without having to rely on the here-say of others.

Universities in Canada offered no opportunity to waive Ph.D. application costs for Grad School Candidates (\$250 was McMaster's fee). American College Grad School fees were less than Canada's and offered some support for fee-exception requests. Harvard only permits Ph.D. intake during specific months of the year and Oxford has a similar intake process. Cambridge and other European Universities offered Ph.D. intake consideration at all times of the year - and also support Grad School application-fee exception-requests.

4 TASK



TASK

TASK - The Academic Sustainability Challenge (<https://csq1.org/TASK>) is an emerging standard for evaluating the social value of education systems and institutions in every nation internationally. Education reports like the United Nations' Education Index look only at years in school. There is no correlation in this measure to the success of the local socioeconomic climate created by local curricula.

TASK's approach is to consider "Social Contract Product" (<https://csq1.org/SCP>) as the better measure of academic benefit nation-by-nation. TASK breaks down

social benefit by institution and tier (primary, middle, high school, ...). Education Indexes can often measure economically unimportant indicators like turned-away applicants, cash-on-hand (treasury), number of students, and so on. A credible researcher doesn't measure a health-care system by how many band-aids it uses; credible, important measures of that system include longevity, maternal deaths, under-age-5 death rates, and similar.

An Education System and Institution are tasked with building a successful and sustainable society, in this way TASK measures the social contribution of educators and their working solutions. Education Spending, Masters and Doctoral Attainment are also important in evidence-based international surveys.

5 Case Studies

This list of Case Studies will grow, and this report will update to correct inaccuracies both in documented policies and in any Grad School assumptions stated here.

In alphabetic order:

5.1 Cambridge University, U.K.

Cambridge has many campus schools including Trinity College where Isaac Newton attended Postgraduate courses in Economics are run by the Faculty of Economics (<http://www.econ.cam.ac.uk/>) Applications must be made via the University's Graduate Admissions Office at <https://www.graduate.study.cam.ac.uk/>

5.2 Harvard University, Boston, USA

Contacted: June 2020 Harvard does offer free Ph.D. applications but only during their regular intake windows in November and December. I was directed to circle back after September.

5.3 London School of Economics (LSE), U.K.

Contacted: February 2020 LSE was the most efficient online web-driven intake process all of these universities. LSE does offer waiving of fees to candidates for their Ph.D. Grad School programs Regrettably, feedback is in very short supply here. Applicants are forewarned that there will be no explanation of denials, and there was none upon denying a first application and second PhD Study option. In the COVID-19 year that Britain has experienced, it just seemed inappropriate to hound anyone here. The professionalism of the application process for typical students here, however, is second to none. Opportunities to negotiate Human Capital contribution were non-existent that I could see, although admittedly I was also 3,000 miles away.

5.4 McGill University, Montreal, Quebec, Canada

Contacted: August and September 2019 Grad School Dean: Samer Faraj, Director, Desautels PhD Program (514)398-1531 xcollaboration.org Samer Indicated that Ph.D. programs at McGill were intended to teach university teachers, during a phone discussion. He recommended a private Christian University "Case Western Reserve University" in Ohio as a possible match for this request.

5.5 McMaster University, Hamilton, ON, Canada

Contacted: Feb 2019 through November 2019 - a Communication Log of 16-deans and program leads is available on request McMaster is the local university to this CASE STUDY. McMaster recommended finding a supervisor first independently, and a professor agreed pending a Grad School's application approval. McMaster has a preliminary interview prior to its application and \$250 application fee once a candidate meets pre-screening requirements.

Grad School Dean: Doug Welch - the 2010 recipient of the McNeil Medal of the Royal Society of Canada. The medal is "awarded to a candidate who has demonstrated outstanding ability to promote and communicate science to students and the public within Canada" according to McMaster's website. Mike Thompson Associate Dean Grad Studies adeangsce@mcmaster.ca mthomps@mcmaster.ca x 26517 JHE A214/H, Gilmore #212 <https://www.eng.mcmaster.ca/people/faculty/michael-thompson>

Discussion: Indicated that the Province mandated Grad School entry requirements; where the State University Board assured that the Grad School set entrance standard independently. This Dean stopped communicating quickly after my questioning entrance requirements for GMAT/GRE and Double-Integral Calculus. I had completed an engineering bachelor, six thesis, 40-articles, and extensive data science as well. GMAT's high-school math and inaccessible language tests are routinely waived for EMBA candidates with 5-years career experience at the Degroote McMaster school. Dean for Economics: Stephen Jones, Chair of Economics jonessrg@mcmaster.ca x 23822 Dean for Finance: Trevor Chamberlain, Chair of Finance Ph.D programs, chambert@mcmaster.ca

Discussion: Dean Chamberlain indicated that he could only accept three finance Ph.D.s annually. On merit, our CASE STUDY subject was arguably and potentially the most important application he was going to see that year and perhaps in a career as well. Dean for Political Science: Robert O'Brien <https://socialsciences.mcmaster.ca/people/obrien-robert>

Discussion: I am afraid our structures are a bit rigid. We only offer PhDs in Comparative Public Policy or International Relations in our Department. It is difficult to see how we could accommodate your interests.

Summary: With no process for senior Human Capital acceptance in reading at a doctoral level of research, this group and their State University Board, fumbled an expert applicant as badly as a bureaucracy could. Similar obstacles were presented by other Canadian Universities - which correlates to a severe socio-economic collapse status.

5.6 Oxford University, London, U.K.

Oxford restricts applications to specific months of the year. I did have trouble finding the degree programs for Oxford's "PhD by Proposal / Portfolio" programs. UAS Higher Doctorates <higherdoctorates@admin.ox.ac.uk> directed me to their Graduate Admissions webpage at <https://www.ox.ac.uk/admissions/graduate> but I went no further

5.7 Sorbonne Paris, France

Contacted: February 10, 2020 European Doctorate in Economics Chair Bertrand Wigniolle wigniolle@univ-paris1.fr EDEEM Program Co-lead Frank Riedel, Director & Professor, Mathematics and Economics - Bielefeld University, Germany Very little was available online and this was the most difficult university to apply to. No response was received from online applications nor email inquiries.

5.8 University of Toronto, Canada

Contacted: February through May, 2020 Stéphane Côté - Director of the PhD program at the Rotman of Management, UofT <Stephane.cote@rotman.utoronto.ca> Discussion: Guidelines are the same for everyone regardless of their past work and publication record. Deadline for admission is January 1, 2021. As agreed by: i) The President of the University - Meric Gertler, <https://www.president.utoronto.ca/biography> ii) Dean of the School of Graduate Studies - SGS, Associate Professor Joshua Barker and Vice-Provost of graduate research and education iii) Dean of the Rotman School, at the time was Tiff Maclem who moved on to govern the Bank of Canada. Kenneth Cortis is Interim Dean here presently. No response came from Tiff's office iv) Rotman PhD Program Director (Ms. Côté)

5.9 Other

Council of Ontario Universities Contacted: July 2019 Daniel Wolfe, prior Board of Directors, President and

Vice-Chancellor - Mr. Wolfe reached out with directions as he had just left the role. Patrick Deane, Board of Directors, President and Vice-Chancellor, Council of Ontario Universities deanep@queensu.ca - no response from Mr. Deane Alexander Burnett | Senior Advisor, Office of the President T: 416-979-2165 ext. 206 | E: aburnett@cou.ca Discussion: After the McMaster Grad School assured that this group mandates Ph.D. applications per the Washington Accord, the Council confirmed this was entirely the purview of each Grad School. As mentioned in the McMaster section above, this group's assigned Ph.D. Board Chair quickly turned away any discussion of accommodation for Human Capital or previous research work and equivalence.

Ontario Human Rights Commission for Education legal@ohrc.on.ca, info@ohrc.on.ca Discussion: No response was received to emails

Ontario Ministry of Education Stephen Lecce, the Minister of Education for Ontario stephen.lecce@pc.ola.org Discussion: No response from the Minister's office (which is typical in Ontario; Mr.Lecce was a communications lead at his party with no education background when appointed - that's another mediocracy for another time)

6 In Conclusion

This paper recommends:

1. To accept Human Capital and externally developed science requests with priority in Grad Schools.
2. To remove hurdles intended to qualify and rank typical candidates, and to weight-heavily equivalence, experience, contribution, and any existing body of research from well-qualified mature candidates.
3. To accept previously completed research as credited time in-program - in a win/win negotiated approach.
4. To correct credentialing intake programs for under-represented Technology Leads.
5. All Grad School programs should be 100% financially accessible without exception. Push back on political naysayers with evidence-based research strongly; a strong economy will afford education programs far more easily than today's economic debacle can.
6. Increase Masters and Ph.D. attainment across all institutions - for reasons explained above (CSQ Research, 2020a)
7. The reading, supervision, and peer-review of new sciences in Ph.D. thesis and programs is essential and is of highest priority in a mature capitalism.
8. In science, "Productivity" creates reliable socio-economic advance while Wealth-theory Micro and Macroeconomics creates collapse today. This paper recommends testing, confirming, and then re-

vising curriculum in business, economics, finance, and social sciences per your own internal validations and the recommendations of this paper.

9. Correct a 100% false Peer-Review track-record in Economics, Business, and Political Science Faculties - by quantitative and Scientific Method.
10. to correct obfuscation by mathematical complexity in non-math programs and in science. Economics doesn't require double-integral calculus - and the practice detracts from program credibility as well; so, which other subjects have been misdirected and made inaccessible and non-transparent similarly?
11. To make research an investment, rather than just spending, by connecting funding to socioeconomic ROI (Return on Investment) through reduced annual Social Contract Loss, new Productivity revenues, and so on.
12. A collapsing society is always attributable to failings of academic curricula and leadership. Endorse a TASK Program approach to measure academic contribution and create a Sustainable Societies Programme and Global Leadership Faculty. The Faculty should be science-driven per the definitions outlined in the Global Leadership Book of Knowledge (GL-BOK) (Tilley, 2021) so that existing Economics, Business, Finance, and Social/Political Sciences silos collapse their curricula to ensure measurable national and global advance.

Two recommendations were researched and documented in this report but removed from the list above in order to maintain the report's focus on Human Capital. The recommendations are returned to the list below owing to their importance. It is only socially responsible to recommend defunding and repurposing well-intended but misguided staff, laws, political messaging, and curriculum here.

13. Female Hiring Equality - is an anti-family-values policy that mathematically assures the reliable genocide of populations when fertility rates fall below a sustainable level of 2.2. Family Values and single-income families with living wages - and protection from commercial finance-industry-created bubbles - are recommended in hiring policy immediately, and it is only socially responsible to recommend the defunding and retraining of misdirected staff, teachers, laws, and curriculum at all education tiers now.
14. Diversity - distracts populations from addressing causal living-wage and equity failings by citing equity's effect "racism" is the only priority. Diversity also encourages unsustainable policies immigration, offshoring, onshoring during a mature capitalism, which will mathematically-assure reliable collapse to economies and societies.

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7 Revision Control

Mar 24, 2021 - Reinforced FDR’s solving Inequity created the greatest economy in history

1. Page 7, Para 3 - Added U.S. Government Spending Chart - and explanation
2. Added Chart - 220-Year 10-year Inequity and Annual GDP-Growth
3. Added Chart - Piketty Wealth Inequity since 1900

Feb 16, 2021 - Included the recommendation additions from Feb 10th in Abstract and referenced GL-BOK

1. Added Global Leadership Book of Knowledge (GL-BOK) and mention of Crimes against Humanity - from subsection 3.4, in Abstract
2. Mentioned additional Case-Study subjects and planned tracking in Research Background
3. Added Transition Economics subsection 1.1
4. Minor clean-ups - Kondraitieff’s contribution explanation, etc.

Feb 10, 2021 - Revised Recommendation #12, re-added #13 and #14

1. #12 changed to clarify need of adhering to guidelines explained in the Global Leadership Book of Knowledge
2. Re-added Recommendation #13 Female Hiring Equality
3. Re-added #14 Diversity