

Proposal for an Alternative Arrangement, Distribution, Exchange, and Allocation of Resources

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o.o Introduction

This short paper aims to define an outline and approach for a new kind of *political* and *economic* arrangement (what has traditionally been called *political-economy* whereby the two aspects comprise a singular whole manifest in the form of a society and governing body). There are three corresponding aims for such a task:

- i. Great *technical* (improvements in *technological* use) and *technological* innovations mandate revising our best, current, political and economic systems.
- ii. The failure of existing political and economy systems to adequately manage the very systems they oversee and have constructed.
- iii. To create a more efficient, practical, ethical, and Just form political and economic arrangement that will incorporate within it a means to expand and grow perpetually for the welfare and benefit of all its denizens.

No doubt an overly ambitious and lofty topic, the aim of this paper will attempt to do justice to the concepts and noble goals of the many who have proceeded this meager work.

To assist with this lofty task and to diminish the grim prospects of successfully overturning centuries of advanced work in these subject areas, I will employ a trick that requires significant justification in its own right, but that, I think, demonstrates the quality, credibility, rightness, and preferability of the approach taken here.

Roughly, there are numerous perspectives about what *economics* entails and *how human societies ought to be structured*. Each of those topics in turn require a breadth of knowledge and expertise in them that I am most lacking in. Additionally, it is a laborious effort to distill the various view-points and to do so faithfully, fairly, and with the care they rightfully deserve.

Nevertheless, to summarize these, in common, *economics* is taken to involve the articulation and prediction of certain numerical concepts such as *surplus*, *deficit*, *cost-accounting*, *price*, *demand*, and so on. *Politics*, in its traditional conception involves considerations of Justice and what the ideal State ought to be and how to obtain it.

1.o Definitions

In light of these advanced aforementioned concepts and the immense difficulty in clarifying the great body of work that accompany them, I will instead, prescind from these traditional categories of inquiry settling instead for a simpler set of compact definitions:

Definition 1. *Economics.*

The science of **scarcity**.

Philosophical debates in Ethics and Meta-Ethics center around right action and imperative expressions specifying moral commands, duties, obligations, and the like. I will here employ a sleight of hand by using a placeholder, amenable to any Ethical view – an indefinite determiner with a singular condition under which it obtains:

Definition 2. *The Good.*

Maximizing ethics.

Perfectionism mandates (by necessity and not of sufficiency) that all actions meet a high-standard of moral rightness (perfection). Even under such a view, we may analyze the aggregate morality of actions. Should those actions not meet some numerical quantity, there is something morally blameworthy going on (specifics of the actions aside). Perfectionism mandates totality of rightness.

Thus, even without recourse to Consequentialism, we may quantify actions and a dimension of Ethical consideration shared by all systems can always be distilled into:

Definition 3. *Ethics.*

The continuous improvement (increase) or strict numerical superiority in the ***allocation, exchange, distribution, and arrangement*** of all resources (henceforth, **ADEA**) whether such resources are **scarce** or **not**.

Definition 4. *Abundance.*

A system of **ADEA** such that considerations of material scarcity are not requisite in planning. All needs are met. Practical necessities are guaranteed.

2.0 Considering Abundant AEDA

Most physical systems relevant to human-beings are material in nature (mass, and hence matter, is itself an emergent or at least not primitive feature in the natural world since particles acquire mass by interaction through the Higgs Field and the Higgs Boson). Commodities (energy, food, lumber, etc.), finished products (electronics, cars, clothing,

culinary creations), services (customer service, support, marketing, etc.), informational or digital systems (computer science, data science) are all grounded in these root processes - namely kinetic or thermodynamic processes.

We can abstract away many of the complexities that are the forte of professional scientists and engineers. What suffices for us here is that physical energy transforms material items.

1. We burn oil to move the wheels of a car.
2. We heat metals to mold them into steel or composites.
3. We hammer nails to pin a painting to a wall.
4. We collide trillions of particles to generate micro-blackholes.
5. We heat copper and silicon to simulate logical operations using electrons.

The presence of unlimited energy and semi-autonomous systems capable of transforming and being transformed by that energy is sufficient to meet the pre-requisite conditions for an Abundant ADEA.

We assert that the further ability for such systems to self-replicate or participate in their own duplication or manufacturing only warrants further confidence in this hypothesis.

Any economic system today collapses when a single variable achieves singularity – runaway prices, inflation, and so on destabilize economic systems. Infinite money of a specific currency renders the value of that currency irrelevant. All modern economic systems require economic scarcity (and indeed that's all we've had).

But the rise of autonomous, self-repairing (and improving and replicating) machines is upon us. Additionally, fusion power promises to push energy to singularity.

3.0 Features of Abundant ADEA

Currency is a valuation-object. Markets and services are independent systems-of-value. Even financial investment abstracts currency (it does not matter which currency, equity, or vehicle except those that are most value-generating).

A desideratum:

1. A **valuation-object** that is not independent of a **system-of-value**.
2. A **valuation-object** whose value increases given a **system-of-value**.
3. A **system-of-value** whose value increases given a **valuation-object**.
4. The **system-of-value** in question must provide a robust set of underlying material services that are further enhanced as the value of the system increases.
5. This creates a self-ordering, perpetually increasing, positive feedback loop.

A second way:

1. If all basic needs of a person can be effectively managed or met by that person without the need for trade or commerce.
2. If all basic needs of a person can be effectively managed or met by that person without settling for fewer needs.

4.0 Pro-Social Calculation: *The Ethical Calculus*

All ethical systems fall under one of the following:

1. Deontology
2. Virtue Ethics
3. Consequentialism

Definition. *Deontology.*

Definition. *Virtue Ethics.*

Definition. *Consequentialism.*

Definition. *Triple Filtration.*

- i. If an action **A** fails to satisfy all of **Deontology**, **Virtue Ethics**, and **Consequentialism** it can confidently, with a high degree of accuracy, be considered **evil**, **wrong**, a **vice**, and **impermissible**.
- ii. If an action **A** satisfies all of **Deontology**, **Virtue Ethics**, and **Consequentialism** it can confidently, with a high degree of accuracy, be considered **good**, a **duty**, **right**, a **virtue**, and **permissible** (the specifics of which are determined by the action and its evaluation under each of the three systems).
- iii. An action **A** failing to satisfy some but not all of **Deontology**, **Virtue Ethics**, and **Consequentialism** is subject to the following Ethical Calculus.

5.0 Implementation

A wise ruler knows how to co-opt the support of his denizens. In this case, the transition to a better political-economy is likely best exposed through **Contractarian** considerations. A wise ruler compels support for their rule by guaranteeing something in return for voluntary participation. **Contractarian** governance (usually accompanied by its close kin **Rule of Law**), is supported by **Rational Choice Theory** and leverages economic incentives to support acceptance and adoption of a set of governing norms.

The system considered here provides immense economic incentives in that it aims to create a practical ***Universal Basic Income*** whereby all material needs are met. It also attempts to do so in a way amenable to mass democracy whereby referendums and an educated populace determine the laws and remove any parasitism in the political class (politicians will likely be an outmoded profession).

It is wise for a ruler to absolve lesser sins and crimes (high-crimes notwithstanding) prior to the establishment of a new regime. By leveraging the *Tabula Rosa*, the guarantees of an improved social contract are persuasive.

6.0 Technical Specifics

Overview of Legal Framework:

1. A set of inviolable “Sacred Laws” are specified that no other laws may supersede.
2. All laws are written using modern mathematics: axiomatically in formal symbolic logic.
3. All laws are passed through referendum – each referendum has a specified area of effect, breadth of scope, etc. Citizens only vote on laws that are directly relevant and applicable to them.
4. All citizens who vote must pass a simple test each time demonstrating understanding of the relevant subject matter at hand.
5. All laws are implemented programmatically.

Overview of Programmatic Specifics:

1. Likely some kind of blockchain (or similar distributed mesh topology data management system).
2. Dynamic governance – for small tasks and the execution of laws, randomized Citizens would oversee the programmatic completion of tasks. Imagine a video game where random Citizens (taking turns), each run the daily operations of certain services.
3. Such decisions can *only actually* be performed with a majority vote ($2/3$, $7/8$, etc.) and are reviewed as such. No action can be performed without the notification and consent of Citizens to whom it impacts or affects. All decisions are reviewed and scrutinized and layers of consideration are applied depending on the breadth and scope of these tasks.
4. The programming implementation also governs autonomous machines (tethered to the legal system).
5. Use and operation in the system requires earning certain credits whose value depends on the programming implementation.
6. All needs are met, wants are awarded by pro-social actions per the Ethical Calculus.

X.X Resources

https://en.wikipedia.org/wiki/Prediction_market - predictions

<https://www.jstor.org/stable/1942870> - credibility or prestige

https://en.wikipedia.org/wiki/Gift_economy - favors, IOU's, gift exchanges

[Aristotle's Economics](#)