

Summary of the book "The New Genetic Economy"

- The book "The New Genetic Economics" presents an innovative intellectual endeavor to reinterpret economics from a different perspective, combining economic analysis, theoretical methodology, and a therapeutic approach to economic problems. The author, Taha Bayomy Mohamed, begins with the fundamental idea that the economy is like a living organism; just as humans possess genes that determine their health, economic systems possess "economic genes" that enable the accurate diagnosis and treatment of the causes of crises and deviations.
- The book defines the concept of "genetic economy" as a new science that aims to study the internal characteristics of the economy at multiple levels, including companies, economic sectors, the national economy, and even the global economy. The author focuses on building diagnostic models based on theoretical theory and mathematical

equations to identify economic problems and offer practical solutions without relying solely on traditional human assessments.

- The book also seeks to integrate management, finance, production, marketing, and economic policies within a unified framework, transforming economics into a therapeutic tool that contributes to improving resource efficiency, enhancing competitiveness, and achieving economic and social justice. Through applied studies and practical models, the author seeks to present a modern economic vision that can be used in evaluating companies, preparing budgets, diagnosing economic sectors, and improving the economic performance of countries and institutions.
- This work is distinguished by its presentation of an unconventional economic philosophy based on the integration of economic and theoretical sciences, making it an innovative intellectual endeavor worthy of study and discussion, both academically and practically.

- The book "The New Genetic Economy" addresses the concept of "genetic economy" as a new economic science that aims to diagnose and address economic problems by analyzing what the author calls "economic genes" that control the performance of different economic systems.
- The book begins by presenting the idea of genetic economy and the reasons for its emergence, explaining that traditional economic systems—whether capitalist or socialist—have faced numerous crises due to the absence of precise tools for diagnosing and addressing economic problems. Therefore, the author proposes a remedial model based on developing diagnostic tools capable of automatically detecting economic dysfunction.

The book then moves on to defining economics at three main levels:

- 1- Microeconomics: This includes companies and institutions and how they manage human and material resources to achieve efficiency and profitability.

- 2- Macroeconomics: This section addresses the government's management of economic sectors through fiscal, monetary, and legislative policies.
- 3- Global Economics: This section focuses on the movement of capital and international investments and their impact on economic development

The author then introduces the concept of "economic genes," dividing the components of economic activity into several cells or genes, such as:

- 1- Product,
 - 2- Administrative expenses,
 - 3- Interest accrued,
 - 4- Other revenues,
 - 5- Management efficiency,
 - 6- Financing and loans,
 - 7- Available economic resources.
- The author argues that any imbalance in these genes leads to an "economic disease" that can be identified and treated using mathematical and theoretical models.

- The book centers on the theory of theoretical genetic economics, which relies on the relationship between:
 - 1- Economic inputs,
 - 2- Economic outputs,
 - 3- Economic results (profit or loss),
 - 4- The standard for economic evaluation.
- **The author explains how to use this theory in:**
 - 1- Evaluating company performance,
 - 2- Measuring management efficiency,
 - 3- Preparing budgets,
 - 4- Analyzing the impact of loans and costs,
 - 5- Identifying the causes of losses,
 - 6- Developing corrective plans to improve economic performance.
- The book also presents a set of practical applications and ready-made models that can be used in companies and economic sectors, emphasizing the need to make economics an applied science capable of providing direct solutions to economic problems.
- On an intellectual level, the book seeks to establish a new school of economics that combines economics, management,

- mathematics, and theoretical, with the aim of achieving an economic system more capable of diagnosis, analysis, and decision-making.
- This book also presents a new economic vision developed by the author based on the idea that the economy is like a living organism, and that every economic system has economic "genes" that can be analyzed, its ailments diagnosed, and treated in the same way that medical diseases are diagnosed. The author argues that traditional economic systems, both capitalist and socialist, have suffered from recurring crises due to their heavy reliance on human judgment in economic decision-making, leading to errors in diagnosis and solutions. Therefore, he proposes the concept of genetic economics as a "remedial economics" that relies on mathematical and engineering models to accurately and automatically diagnose economic problems.

The book is divided into several main sections:

1- The Concept of Genetic Economy

The author explains the idea of genetic economics and its origins, presenting the evolution of economic systems throughout history, from individual and primitive economies to feudalism, capitalism, and socialism, highlighting the strengths and weaknesses of each system.

2- Diagnosing “Economic Ills”

The author divides the economy into three levels:

A- Microeconomics (corporations)

B- Macroeconomics (the state and sectors)

C- Global Economy (multinational corporations)

For each level, he identifies “economic ills” such as:

- 1- Weak managerial efficiency
- 2- Low purchasing power
- 3- Weak productivity
- 4- Weak export capacity
- 5- Weak investment attraction
- 6- Misuse of economic resources

3- The Geometric Gene Theory of Economics

This section is the core of the book, where the author develops what he calls the “genomic theory of genetic economics,” which relies on the relationship between:

- 1- Economic inputs
 - 2- Economic outputs
 - 3- Economic outcomes (profit or loss)
 - 4- The economic evaluation criterion
- He uses geometric equations to determine the efficiency of economic activity and diagnose its shortcomings.
 - The author believes that the criteria of this theory can be used to judge the success or failure of any company, economic sector, or even the economy of an entire country.

4- Applied Models

The book presents practical applications of the theory through models for evaluating:

- 1- Companies
- 2- Budgets
- 3- Production costs

- 4- The impact of loans and interest
- 5- Economic sectors
- 6- Investment in the stock market
- 7- The national and international economy

It also explains how these models can be used to make economic decisions such as:

- 1- Identifying struggling companies
- 2- Improving efficiency
- 3- Controlling expenses
- 4- Supporting productive sectors
- 5- Attracting investments
- 6- Achieving social justice

The book's central idea:

The core idea the author advocates is that economics can be transformed from a science based on human judgment and personal experience into a diagnostic and therapeutic science that relies on precise mathematical models to help detect "economic ailments" and develop practical solutions for them almost automatically.

The book is an innovative intellectual attempt to integrate:

- 1- Economics
- 2- Management
- 3- Mathematics
- 4- Theoretical
- 5- Diagnostic analysis

Into a single theoretical framework. It presents an unconventional vision that seeks to establish a new school of economics based on "economic genes" and applied theoretical models. It is also characterized by its practical nature and abundance of examples and applied models. - The book **Genetic Economy** was independently published in paperback in April 2021 and has the ISBN (978-977-473-224-9) after peer review by the Arab Organization for Administrative Development, affiliated with the League of Arab States.

This book falls within the realm of business literature. Its title suggests an attempt to reinterpret economic systems through a conceptual or metaphorical "genetic" lens, combining organizational behavior, market evolution, and strategic management ideas. While detailed academic discussions are scarce

in mainstream sources, this work is part of a broader tradition of independently published economic theory and business methodology texts that propose alternative frameworks outside the mainstream of academic publications.