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MAGDALâ Trader Workstation conceptual definition of selected features; Realistic Financial Time Series, Byzantine Time, temporospatial, Data Science Analytics, and GDPR aspects.

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Introduction I

 Multi trillion bond market demands a serious workstation must incorporate with all existed science and technology progression. We work on a similar development two years now. Here and today we present selected conceptual developments from different parts of the trader's workstation named MAGDALA

Introduction II

 MAGDALA; "Realistic Financial Time Series" definition, "Skin Borderline" GDPR safe recording and processing of personal data, Personal Development features, Personal Data tracking and Data Science artificial intelligence against complex human intelligence

THE TRADER WORKLIFE INTRODUCTION

 Intra-Galactic gravity holds the universe in symmetry. One planet draws here, other effects there, a star demands its planets, a galaxy restricts its planetary systems and finally galaxies are wandering around. All these in perfect order. The global financial system is based upon similar co-operated all together contradictory gravitational tugs. The demanding global financial system must balance between various contradictory forces

For example

- The unlimited power that money issuing Central Banks brings them to the temptation of "printing" more money.
- brought the world to crypto currencies and local money and ICO (Initial Coin Offerings)
- The historical bond redemption compared with global currency reset rumors.

MAGDALÂ CONFIGURATION GUIDELINES

A typical MAGDALâ layout has systems like:

- External data collection hardware and software
- Local processing and presentation systems
- Actual trade commands through a complex system full of security and advisory knowledge.

REALISTIC FINANCIAL TIME SERIES

 Our research started as an ambitious project to adapt the "Financial Time Series" holy grail the current computational environment. The result would be "Realistic Time Series" in order to keep the concept but actually nothing in common with the original development two centuries ago. However, as engineers we develop "realistic TS" only to assembly a "Trader Workstation" for the demanding multitrillion financial trade market.

"Skin Borderline" GDPR safe recording

 In our agony to regain our personal data we investigated to whom belong a conversation and the penalties involved. European laws and GDPR super law forbid any public release of a recorder personal conversation or communication without prior consensus. The penalties for a public perform of a private conversation are very tough. Such a prosecution applies to a TV broadcasting and Internet posting primarily in Social Media.

MAGDALÂ PERSONAL DEVELOPMENT FEATURES

- We present two workstation features: the zero and the infinity. An astrological idolatry and a Syrian Orthodox monk opinion.
- **Biorythms** From the dawn of mankind astrology and superstitions were significant part of human activity. In the dawn of pseudo-computerized age there was a biorhythm calculator. Biorhythms is a pseudo-science.
- Saint John Damascenus Virtues Franciscan monks [Lenhart 1943] analyzed Osios John Damascenus work in virtues.

MAGDALA PERSONAL URL + DATA TRACKING I

 The professional Trader reads thousand of Web pages, email and attached documents. [Fu 2008, Ruiz 2012, Lyons 2014] Once upon a time the trader traveled around the globe, he interviewed investors and bond holders, he studied all internal memos.

MAGDALA PERSONAL URL + DATA TRACKING II

History has the following periodicity for the trader and his office:

- 1) Initially a handful of Trading oligopolies had expensive offices in New York and London,
- 2) At a later stage they invented the supersonic jet in order to capture the magic moment against the Physics laws.
- 3) The Internet and Cellular phone inventions changed again their workplace. Today the trader can perform all the operations through a simplified distributed environment.
- 4) We propose today the fully wired Trader to return in his new MAGDALά office (residence and car).

DATA SCIENCE ARTIFICIAL INTELLIGENCE AGAINST COMPLEX HUMAN INTELLIGENCE I

There are a lot of dominated options for today's Artificial Intelligence projects lot of options:

- 1) Data Science, where the past denotes the future.
- 2) Human Logic, where a triggering event brings a whole new world.
- 3) Semi-automatic operation on a computer using Computer Human Logic under Data Science restraints.

DATA SCIENCE ARTIFICIAL INTELLIGENCE AGAINST COMPLEX HUMAN INTELLIGENCE II

Human Logic defeats Data Science at least two of major development strategies.

- 1) Invention Patent creation; There ongoing work, preferences, user opinions and desperate government efforts cannot bring a PCT WILL invention patent.
- 2) A new profitable business idea; By definition a new idea is a spark in the common hostile business complicated environment. This epiphany is usually a statistical irregularity known as brainstorming or Divine intervention.

REFERENCES THANKS

- ✓In paper report.
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