

Advanced Research & Consulting Hologroup



signal processing complexity simulation data intelligence

Notes



A.I. Crux of Complexity Challenges

We know, in reality, there is no single versatile machine learning algorithm to take care of your data from a complex problem arising from interdisciplinary fields. That is the reason why the Advanced Research & Consulting Hologroup (ARCH) is created to help. Let's forget the common artificial intelligence (AI) hype and get down to the dirty and hard works of data analytics with an adaptive architecture of intelligence.



Notes



A Cybernetic Version of McKinsey & Company in the 21st Century

ARCHITECTURE OF INTELLIGENCE



Knowledge-Base : Knowledge is Puzzle – there won't be much power until puzzles are solved !



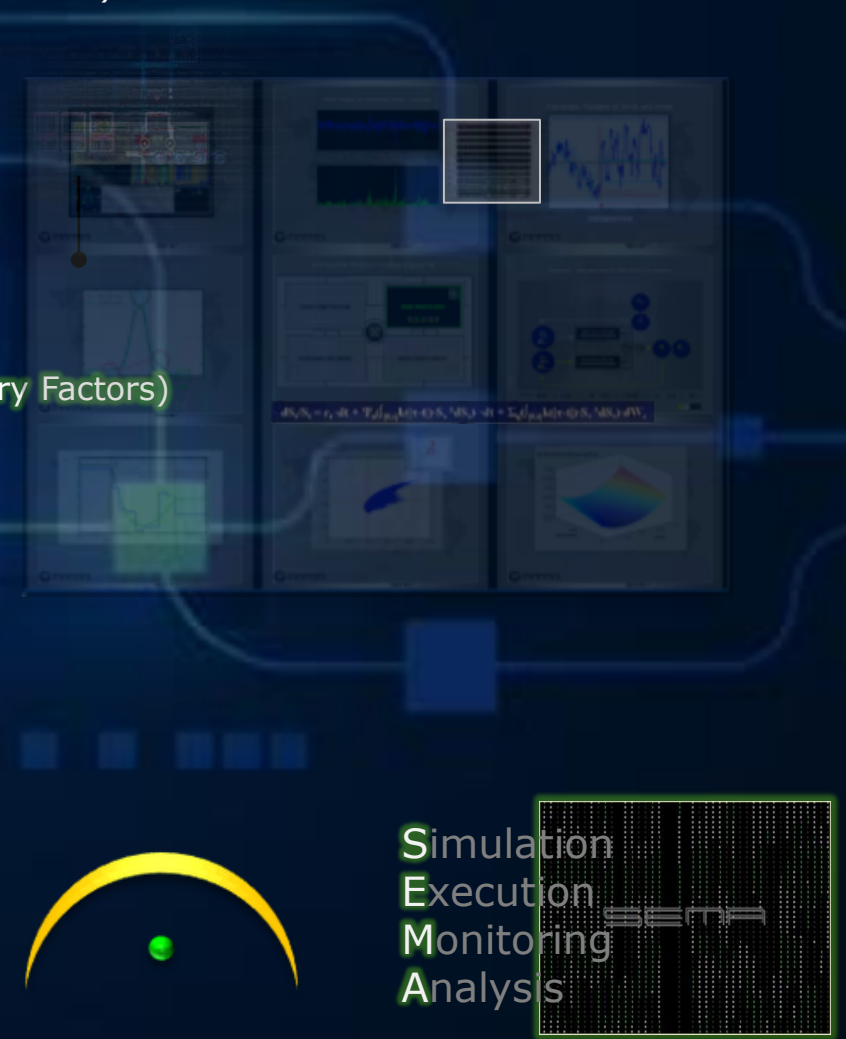
Notes



ARCH SOP of 20 Steps for Problem-solving, Innovation-inspiring & Architecture of Intelligence :

- ❖ S.01 Defining a Problem
- ❖ S.02 Clarifying the Purpose (Decision-Making Risk/Return Tradeoff Protocol)
- ❖ S.03 Realizing the Situation
- ❖ S.04 Stratifying the Factors
- ❖ S.05 Collecting the Data
- ❖ S.06 Modeling the Problem (Knowledge Model for Data Analysis)
- ❖ S.07 Analyzing the Data
- ❖ S.08 Refining the Problem
- ❖ S.09 Combining other Problems (Incorporating More Interdisciplinary Factors)
- ❖ S.10 Constructing/Architecting the Knowledge-Base
- ❖ S.11 Constructing/Architecting the Database
- ❖ S.12 Collecting more Data
- ❖ S.13 Refining the Model
- ❖ S.14 Classifying some Scenarios
- ❖ S.15 Running feasible Simulations
- ❖ S.16 Shaping alternative Solutions
- ❖ S.17 Making contingent Decisions (Plan-A/B/C)
- ❖ S.18 Executing adaptive Orders
- ❖ S.19 Assessing unexpected Results
- ❖ S.20 Collecting more-related Data

A.I. machine-learning loops

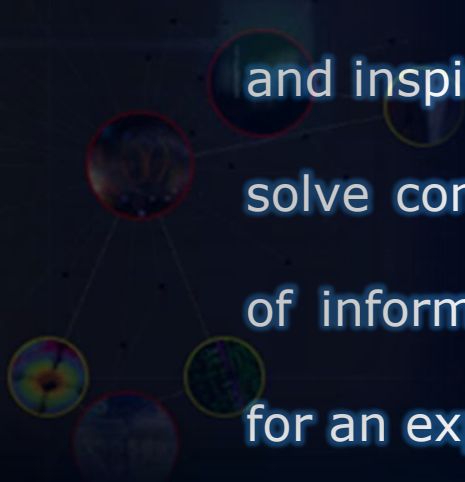
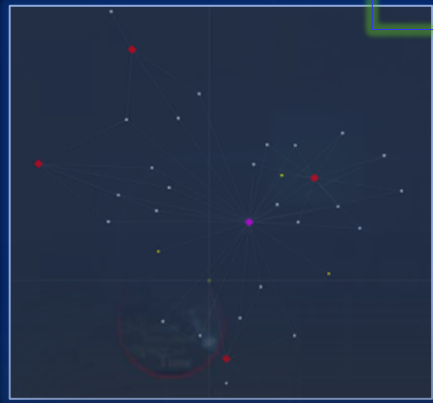


Notes



Crown Jewel of ARCH Process : Lufton for S.09

Lufton is a robotic agent trained by the intelligence-augmentation embryo Niunon of the knowledge-base Platograph. It pings a continuously extended and enhanced network of "deep-sea satellites" to position and survey (anytime, anywhere, any field) insightful and inspiring information in the web-sea for experts to solve complex problems. Lufton is also an assembler of information-compounds and knowledge complexes for an expert to build a knowledge base & app factory.



Notes



An underwater scene with blue water and many bubbles rising from the bottom. In the center, there is a yellow arc with a green dot in the middle. The text "How deep can you dive?" is written in white with a blue glow effect.

How deep can you dive?

The Grand Sea of Web Content & Big Data



Get lost in the abyss?



The Grand Sea of Web Content & Big Data