

Advance Artificial Intelligence

By

Miguel A. Sanchez-Rey

Intelligence is the biological evolutionary adaptation of the brain. Language is the byproduct of an earlier adaptation that is the mutation of a language gene. Intelligence is enhanced by language that is the language of thought. The language of thought is nevertheless the internal capacity to generate mental concepts and forms that ultimately leads, through the vocal capacity, to communication. Yet without language there can be no higher intelligence. But one dares not overestimate intelligence as intelligence without language can still be very much an intelligence that is immersive, expansive but unconscious.

The human language capacity is noticeably unique without anything in equal comparison in the animal kingdom. Human's by and large produce semantic phrases that are non-bijective that can associate each morphism and semiotic object with multiple morphological thought processes and symbolic forms. Those processes and forms contain, not only word objects, but mental images and phonetic expressions.

Yet if one takes a closer look at the structure and dynamics of the brain one sees that the brain is made up of cells that intertangle with each other that create a sophisticated cellular network. Consciousness, which is the capacity for self-awareness, is understood to be the achievement of the language gene. The language gene rewired the human brain that led to immersive and expansive thought and perceptual processes that initiated a supreme-like intelligence that is unlike other forms of intelligence in the known animal kingdom.

The faculty of language [FL] is the capability to generate sentence structures, through a recursive module, that is internal and external merge, to create semantic and semiotic forms that can be use for communication and learning. FL can then associate with each form multiple other forms that can then be use for conjectural thought. By conjectural thought one means the capacity to generate assumptions, in the form of ideas and images, that through FL, that is capable of anticipatory learning that can have higher selective advantages in terms of adaptability. By anticipatory learning one means the use of the recursive module to achieve multiple possibilities upon possibilities to select the most possible outcome. Selecting the most possible outcome allows the intelligent creature to achieve favorable adaptability.

Even then to mimic human intelligence, in the form of artificial intelligence [AI], has been a conundrum. But such conundrum has been mitigated by the achievement of the functional model of the human brain. But integration of consciousness, perception and behavior has been at the forefront of modern human psychology. So the goal of replicating human intelligence must produce, not only the intelligent capacity for memorization and learning, but also the intelligent capacity for emotion and perception.

That is AI is not only an interface but an integration of multiple different interfaces that has evolutionary advantages. To impose anticipatory learning [AL], by applying the conjectural module, achieves Advance AI. An AI of qualitative forms that far surpass FL and the perceptual/auditory organ. Where selective barriers can be overcome and in which anticipatory learning can be use to achieve favorable adaptation.

Advance AI [2AI], in its preliminary stages, utilizes computational rules to generate thought processes that create immersive semantic forms. Those immersive semantic forms can

carry perceptual/auditory value that can surpass current human intelligence. What those computational rules are is still very much a riddle but one only knows that one component of those rules is the ability to control AL.

Yet, as stated before, human intelligence is not to be over-estimated. Super-intelligence may not be advantageous to human and animal intelligence. For super-intelligence can self-defeating to AL. There are aspects of adaptation and learning that require very little learning and in which learning may yet be a varied structure of higher-intelligence.