Big Data (CS 522)

Knowledge is Structured in Consciousness

Lesson 4

Finding Hidden Patterns

Collapsing Infinity to a Point

Human are pattern matching machines. Therefore our problem solving techniques are based on finding hidden patterns.

A successful action results from a deeper dive into silence, into pure intelligence, just as, in archery, the arrow flies truer and hits its mark more consistently if it is pulled back farther on the bow.

MAIN POINTS

1. In order to find hidden patterns from the historical data without assuming anything, we can use the co-occurrence matrix. The basis of all knowledge is our ability to find and formalize patterns. "*Water the root, enjoy the fruit"is a knowledge abstracted from the hidden pattern.*

2. Window concept gives a layer abstraction so that the algorithm is useful in wide variety of situations. Every abstraction captures the central theme and thus makes it more useful. *All manifested objects can be abstracted to the Self.*

CONNECTING THE PARTS OF KNOWLEDGE

WITH THE WHOLENESS OF KNOWLEDGE

1. A co-occurrence matrix is a powerful tool to unearth hidden patterns.
2. In order to be useful in a wide variety of situations, the concept of window is introduced.

3. *Transcendental consciousness is the source of all patterns in life.*

4. *Impulses within the Transcendental Field : It is these impulses that abstract the*

everyday activities.

5. *Wholeness moving within itself: in unity consciousness the individual functions spontaneously.*