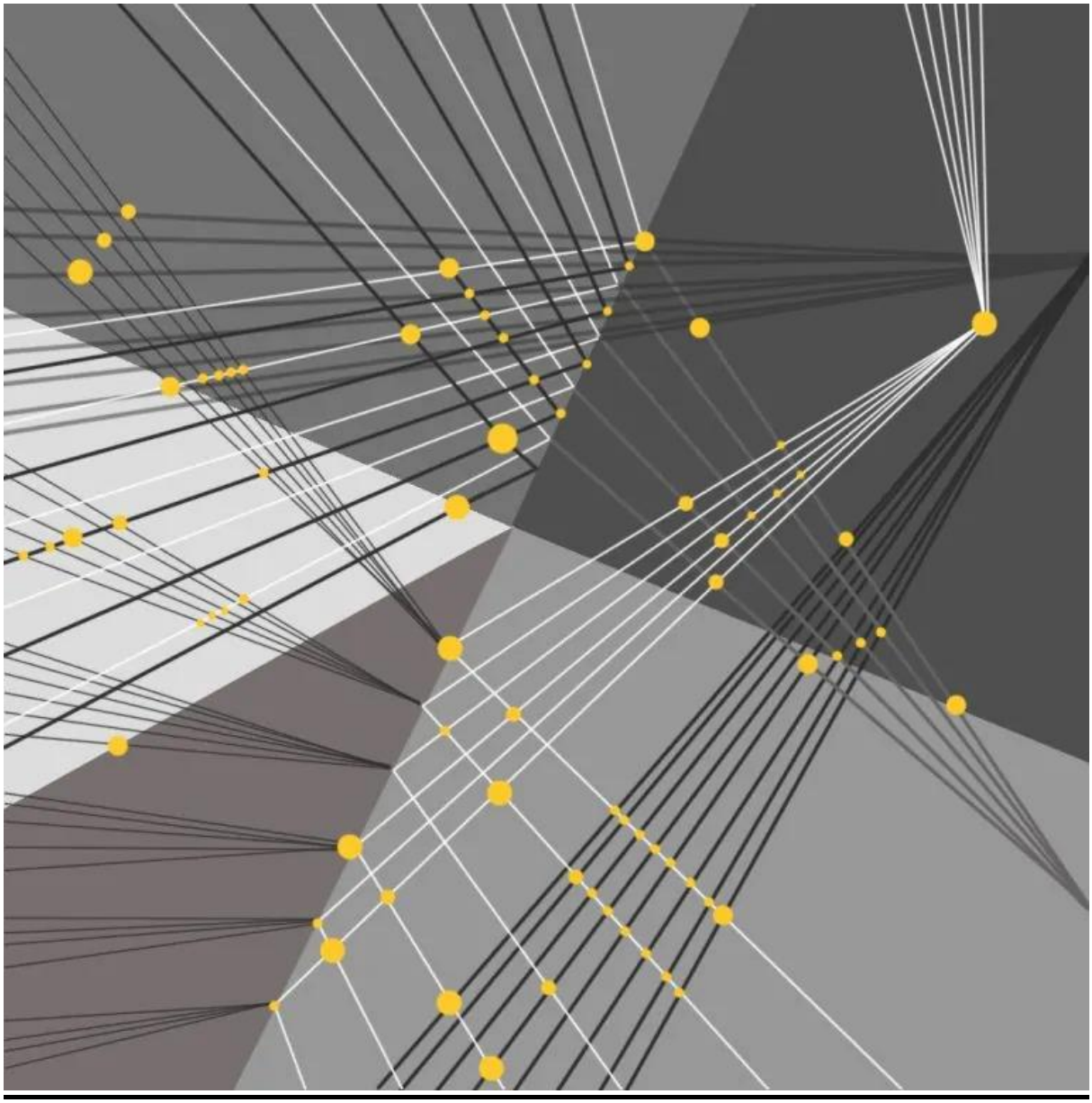
Cambridge Creation Lab

Designing The Thought Web

By Ivaana



A web emerges when several connections are established. Through experiences that endure over time, we start developing conscious and unconscious creative patterns from infancy. For instance, we may consider neural networks, cell clusters, and social insect colonies among systems that leverage the interactions of many fundamental components or agents to execute highly complex calculations in a distributed manner. On the other

hand, the nervous system has many cells interconnected with thousands of others in intricate networks that cover extensive areas and exhibit a boundless array of functions, making its structure and operation challenging to comprehend. We believe that identifying these networks at the synaptic level and understanding how their connection and morphology influence function will aid in resolving the cognitive enigma. In a comparable manner, how can we map the structure of our thoughts and the numerous disciplines? What is the approach by which we may structure our thoughts, and what is the outcome?

Author Bio: Ivaana Rungta is a music researcher, lyrical storyteller, and sound artist in Cambridge, Massachusetts. She is the Founder and Director of CCL. She obtained a degree in English Literature, Theatre, and Music. She had been instructing secondary and tertiary level pupils for 12 years until she decided to concentrate exclusively on educating her son at home. Following her son's acceptance into MIT at age 15, she rediscovered her enthusiasm for writing on many topics that fascinated her, such as dreams, feelings, memories, challenges, disorder and organization, art, and culture. She explored new worlds of experience beyond the ordinary by incorporating genuine discoveries and scientific research. Her primary objective was to promote a fresh outlook on narrative, music, and creative writing by fostering a spontaneous interaction between technology, mythology, art, design, literature, science, and music.

The project was first introduced in a private setting at the MIT Museum on October 12th, 2018, attended by academics, professors, artists, and researchers without being made available to the general public. This marked the initial phase in establishing the educational values and objectives of her longstanding aspiration of an internet-based institution - Cambridge Creation Lab (CCL) - which would foster and mold the creativity of its participants by prioritizing cutting-edge research endeavours that integrate imaginative visions, interdisciplinary discussions, and highly original concepts. CCL is being constructed based on the principles of an intangible realm where discrepancies are resolved and connections between different fields, subjects, methods, media, and settings are established beyond exact categorizations and constantly evolving.

The completion of her project, titled "A Square and a Half-The Colors are Sounding," took her a span of 5 years. This project serves as a tribute to scientific research and aims to establish a sense of place and an open process. It also seeks to provide a fresh perspective on the concealed aspects of creation by exploring architectural spaces, the interplay between art and mathematical concepts, and the systematic examination and integration of poetic and aesthetic intuition.

Ivaana has always been fascinated by the correlation between the substance of human communication and its inherent musicality, as shown in pace, rhythm, melody, repetition, and lyrics. She has been investigating the 'human voice as an instrument' concept and how words might be used to create musical scores and atmospheres that create accidental connections between lyrical and visual elements. She has collaborated with several artists, historians, poets, musicians, and scientists, focusing on empathy and transformation. She firmly thinks that by combining creative cooperation and interweaving diverse sensitivities, one might achieve an optimal condition of existence.

Ivaana is currently writing her book, "The Shape of Memories." The book delves into how we depict experiences and memories as geometric shapes. Utilizing the methodologies offered by the field of mathematics, it aims to investigate how we recall our experiences and evaluate hypotheses regarding our cognitive processes, learning abilities, memory retention, and communication methods.

Author picture