ABSTRACT

This Signature Work project delves into artificial intelligence's (AI) ability to interpret Chinese poetry, highlighted through the development of the "Verse Into Vision" tool and the accompanying collection, "In Poetry, Paintings; In Paintings, Poetry." Integrating concepts from machine learning, semiotics, and information theory, the research scrutinizes AI's effectiveness in grasping the complex essence of poetry. Utilizing statistical modeling, semiotic analysis, and Systemic Functional Linguistics, it addresses the challenges of poetic interpretation and translation. The project's outcomes reveal both the potential and current limitations of AI in fully appreciating the nuances of Chinese poetry, advocating for advancements in AI's comprehension of historical context and cultural nuances to achieve more profound interpretations. The methodological journey also encompasses data science practices such as data collection, processing, and model tuning, alongside website development. Future directions include deeper philosophical explorations and the development of specialized AI models for translating and interpreting poetry, underlining the project's contribution to the dialogue between technology and traditional literature.