

## **Quantitative, Mathematical and Computational Linguistics**

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Language as a self-adaptive complex system calls for inter-disciplinary approaches to explore. Given the recent success of the application of deep learning approaches to language (e.g. generative AI and Large Language Model), it is more urgent than ever for us to explore and understand the complex system of language (instead of treating it as a black box, such as LLM). In this section, we welcome all quantitative, mathematical, computational, and other inter-disciplinary approaches to explore, model, and account for the dynamic complexity and the self-adaptive nature of language. In addition, we also welcome works that leverage the complex system nature of language to resolve theoretical issues and/or real world challenges.