



复旦大学数学科学学院

数学综合报告会

报告题目: Learning with norm-based neural networks:
model capacity and computational-statistical gaps

报告人: Dr. Fanghui Liu (University of Warwick, UK)

时间: 2024-09-04 星期三 14:30-15:30

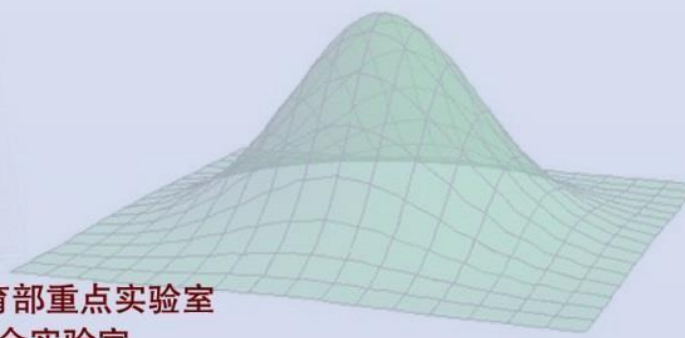
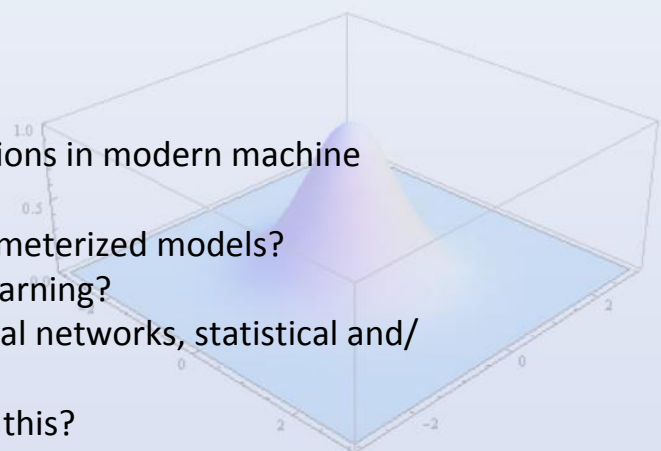
地点: 光华东主楼2001

报告摘要:

In this talk, I will discuss some fundamental questions in modern machine learning:

- What is the suitable model capacity of over-parameterized models?
- What is the suitable function space for feature learning?
- Which function can be learned by two-layer neural networks, statistical and/or computational efficiently?
- What is the computational-statistical gap behind this?

My talk will partly answer the above questions, both theoretically and empirically.



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