

Scattering Transform and Stylometry Analysis in Arts

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With the rapid advancement in data analysis and machine learning, stylometry analysis in arts has gained considerable interest in recent years. A fundamental topic of research in stylometry is the detection of art forgery. But unlike many other machine learning applications, we typically face the challenge of not having enough data. In this talk I'll discuss how scattering transform can be applied to stylometry analysis, and demonstrate its effectiveness on Van Gogh paintings as well as another data set.