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Keynote Talk

Title: Weak Supervision Methods for Machine Learning

Abstract: State-of-the-art deep learning algorithms have delivered impressive results in the past decade. However, they rely on the availability of massive labelled training datasets. In many cases, properly labelled datasets are scarce. This has led to the development of weak supervision methods that make use of supervision sources that are noisier but easier or cheaper to acquire. In this talk, I will give an overview of such approaches and present some of my group's recent research results in this area.