Software Engineering Seminar

Testing of Neural Networks

Description

Artificial neural networks are becoming increasingly more popular and are used in a variety of settings. A problem tied to neural networks is that they are usually very complex and hard to understand for developers. It may not necessarily be clear whether the neural network does exactly what it is supposed to do, and the usual testing approaches are not really suited to test neural networks systematically. Therefore, recently, different approaches and techniques have been proposed that aim to tackle this specific problem.

The student is to discuss and examine the approaches described in the given papers (and other similar techniques) with the main focus on [3].

References


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