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Structural approach to the deep learning method

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When considering any method customary to distinguish several structural levels: syntax, semantics, pragmatics. Syntax gives the ability to apply the method in question, semantics helps set tasks, and pragmatics answers the questions: what is the essence method, what is the place of the method among other methods. In this paper, the authors apply this approach to the consideration of the deep learning. Considers the syntax: how can practically use this method. Semantics: what are the approaches exist under this method, how do these approaches relate to solvable problems. Pragmatics: the genesis of this method is examined, reasons for its popularity, possible applications of this method, its restrictions. As a result, the authors conclude about the prospects for the use of the deep learning method for a number of practical problems.

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