

T. Kotsilieris, E. Pintelas, I.E. Livieris and P. Pintelas. [Predicting anxiety disorders and suicide tendency using machine learning: a review](#)

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Abstract - Anxiety disorders constitute the largest group and the most common type of mental disorders. At the same time, machine learning techniques can be used for analyzing a patient's history and diagnose problems imitating the human reasoning or in making logical decisions. This work reviews the main concepts and applications of machine learning techniques in predicting anxiety disorder types. Seventeen (17) studies were considered, that applied machine learning techniques for predicting anxiety disorders and five (5) additional studies were examined for predicting suicide tendencies. The accuracy of the results varies according to the type of anxiety disorder and the type of methods utilized for predicting the disorder.