

Abstract

This bachelor's thesis focuses on the use of cognitive tests in modeling mental illnesses. The aim is to provide an overview of various cognitive functions that are tested, and the mental disorders that these tests can reveal.

The first part of the thesis deals with the definition of cognitive functions and mental disorders. The second part presents specific cognitive tests, their methodologies, and their application in practice. It focuses in detail on criteria such as specificity, sensitivity, validity, reliability, and ethical aspects of cognitive testing. Special attention is given to the use of animals in cognitive testing, which brings a number of specific challenges and ethical dilemmas.

The conclusion of the thesis summarizes how cognitive tests can contribute to a better understanding of the mechanisms of mental illnesses and the improvement of therapeutic approaches. It also discusses potential improvements in the field of cognitive tests that could lead to more accurate diagnostics and more effective treatment. This work provides a comprehensive overview of the current state of cognitive testing and its importance in the context of mental disorders.

Keywords: Cognitive tests, mental illnesses, cognitive functions, disease modeling, research ethics

