

Abstract

This thesis deals with the application of Trivers-Willard hypothesis on people. Trivers-Willard hypothesis is one of the most cited hypotheses connected with evolution of sex ratio. The thesis briefly summarizes research of the evolution of sex ratio from before the hypothesis was formed. Furthermore, it defines conditions of the hypothesis as defined by their authors Robert Trivers and Dan Edward Willard, it deals with its interpretation and the validity of the conditions within human populations. It subsequently introduces cases of effects influencing human sex ratio and possibilities of the application of the hypothesis as an explanation of those effects. It also deals with application of this hypothesis in broader context of the evolution, so-called "generalized Trivers-Willard hypothesis". Towards the end, it summarizes the criticism of the validity of the hypothesis in human population.

Key words: Trivers-Willard hypothesis, human, sex ratio, evolution, good condition, generalized Trivers-Willard hypothesis, parental investment