

This bachelor's thesis focuses on a statistical method called correlation analysis. The aim of the thesis is to explain various correlation coefficients such as Pearson's correlation coefficient, point biserial correlation, Spearman's rank correlation coefficient and Kendall's rank order correlation coefficient. The thesis presents confidence intervals for each of them and also tests hypotheses about correlation coefficients. The practical part of the thesis applies established methods to real data concerning courses on women's tennis match results.