

The main goal of the bachelor thesis is to introduce problematics of ordinal data together with estimations of latent density distribution based on ordinal data. The estimations obtained using ordinal data are compared to the ones that are more common and used on daily basis. The reader will be introduced to the maximum likelihood method that is used in the development of each estimate. One chapter is dedicated to alternative approach using Bernstein polynomials. When we take all benefits into account such as easier collecting the data in ordinal form or minimization of possible errors committed by respondent, we obtained very valuable and promising results.