

The Bachelor thesis deals with the creation of confidence intervals for difference of parameters of two distributions. In the first part we consider the problem of making such confidence intervals for differences. Then we try to find sufficient conditions for MOVER, which leads to new, non-trivial confidence intervals for difference of parameters of two distributions. These confidence intervals have improved and desired properties. There are also examples of usage of MOVER, and possible difficulties. The third section contains graphs of coverage probabilities for different input intervals. These graphs are made to show different levels of achieved coverage probabilities for some input intervals, namely *Clopper-Pearson*, *Wald*, *Wilson* and *logit*.