

Balanced sampling has received some attention in recent years. There exists a number of procedures leading to a balanced or approximately balanced sample, including the Cube method (Deville and Tillé, 2004) and rejective sampling (Fuller, 2009). In this presentation, we examine the design-based properties of several estimation procedures under balanced sampling. The results of an extensive simulation study that compares different estimators in terms of relative bias and efficiency will be presented.