Covariances between LOR and Different Weighting Schemes

The log odds ratio (LOR) and its inverse variance weights are dependent. Given the increasing concern about the dependencies between effect sizes and their respective variances, we derived a series of covariances. In this presentation, we explore issues of interest to the analyst with respect to the covariance between the LOR and different possible weighting schemes. First, we will demonstrate to what extent the analyst should be concerned about this dependence. Second, we will discuss some of the mathematical details of our work. We will conclude with implications for the analyst including concerns with small study effects.