## The Optimal Discovery Procedure and Bayesian Decision Rules

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We discuss an interpretation of the optimal discovery procedure (ODP, Storey 2006) as an approximate Bayes rule in a nonparametric Bayesian model for multiple comparisons. An improved approximation defines a non-parametric Bayesian version of the ODP statistic (BODP). The definition includes multiple shrinkage in clusters. In a simulation study and a data analysis example we show a (small) improvement in frequentist summaries. The BODP allows easy modifications for dependence of the comparisons and other extensions of the ODP.