

Title:

Microarrays and Their Use in a Comparative Experiment

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Abstract:

Microarrays enable genetic researchers to measure expression levels for thousands of genes simultaneously. At least that's the idea. In fact the gene expression information arrives in highly variable form, producing great quantities of data and intriguing problems of statistical analysis. This paper describes one such data analysis, involving several thousand genes and two million expression levels. The analysis is mostly at an applied level, but does offer some ideas on a more general theory for microarrays data.