

Workshop - software examples

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The windows pop up style software for calculation of LR value for univariate data (such as refractive index data) will be presented. After that introduction to the idea of multivariate matching as an extension and generalisation of univariate matching through a demonstration of existing functions applied to a bivariate case for two levels of variation. First, the reasons for using log transformed data will be explained to the participants, then the calculation of two level, bi-variate, likelihood ratios will be demonstrated. The participants will then be allowed some time at their workstations to try, using pre-existing code, calculating likelihood ratios for the match between any of the objects in a real, but manageable, dataset. This will act as a springboard for an introduction to the deployment of graphical models to allow any potentially highly multivariate data-space to be interpreted as a multitude of lower dimensional spaces and consequently to the handling of higher dimensional data.