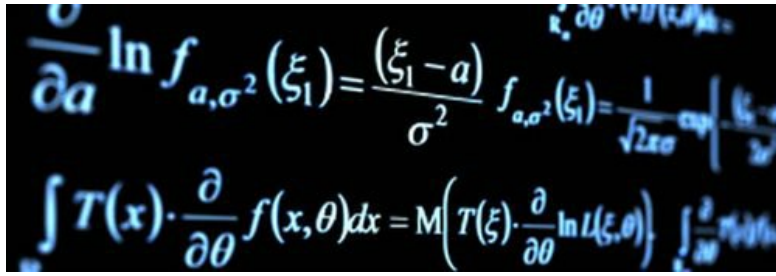


## Statistics Research

The main interests of this group are multivariate nonparametric statistics, nonparametric smoothing and wavelet based methods, time series analysis, mutual information, statistical computing, applications in bioinformatics, medical sciences, economics and neuroscience. The group also has strong inter-disciplinary research links with other internationally acclaimed research groups.


$$\frac{\partial}{\partial a} \ln f_{a, \sigma^2}(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_{a, \sigma^2}(\xi_1)$$
$$\int T(x) \cdot \frac{\partial}{\partial \theta} f(x, \theta) dx = M \left( T(\xi) \cdot \frac{\partial}{\partial \theta} \ln l(\xi, \theta) \right)$$

There is a bi-weekly seminar with invited external speakers.

Research students are welcomed in to the research group and are actively involved in all research activities. To find out more about PhD and MPhil opportunities please see the **Graduate School for Mathematics** (<http://www.bhamtest1.bham.ac.uk/schools/mathematics/index.aspx>).