

## NAG Library Chapter Contents

### G10 – Smoothing in Statistics

G10 Chapter Introduction – a description of the Chapter and an overview of the algorithms available

<b>Routine Name</b>	<b>Mark of Introduction</b>	<b>Purpose</b>
G10ABF	16	nagf_smooth_fit_spline Fit cubic smoothing spline, smoothing parameter given
G10ACF	16	nagf_smooth_fit_spline_parest Fit cubic smoothing spline, smoothing parameter estimated
G10BAF	16	nagf_smooth_withdraw_kerndens_gauss Kernel density estimate using Gaussian kernel <b>Note:</b> this routine is scheduled for withdrawal at Mark 27, see Advice on Replacement Calls for Withdrawn/Superseded Routines for further information.
G10BBF	25	nagf_smooth_kerndens_gauss Kernel density estimate using Gaussian kernel (thread safe)
G10CAF	16	nagf_smooth_data_runningmedian Compute smoothed data sequence using running median smoothers
G10ZAF	16	nagf_smooth_data_order Reorder data to give ordered distinct observations

---