Subject: Re: MPFIT question
Posted by j.coenia@gmail.com on Thu, 15 Jan 2009 16:17:56 GMT
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Thanks both of you. I knew it would be something easy for someone. I was thinking that the lower constraint on t0 in parinfo was good enough to ensure that the WHERE statement found at least some times above t0, so that the found count (ct) would never be 0 as Paolo describes... unfortunately t0 can go all the way down to 0, in which case ct = n, which leads to the problem Craig describes: there is no pre-arrival baseline to prepend to the gamma variate if t0 is 0! Simply changing the GE to GT in the WHERE statement is a quick fix, but I'll implement better validity checking and MPFIT error trapping (which I didn't really understand until Craig explained that the initial MAKE_ARRAY error is being intercepted).

So my code was wrong, but there's nothing theoretically wrong with trying to fit t0 here, or any piecewise continuous function, using Levenberg-Marquardt? And my method for guessing error is not specious? Sorry for the naive questions -- it takes a few days to run all these fits, so I don't want to do everything wrong from the start.