Multivariate 3−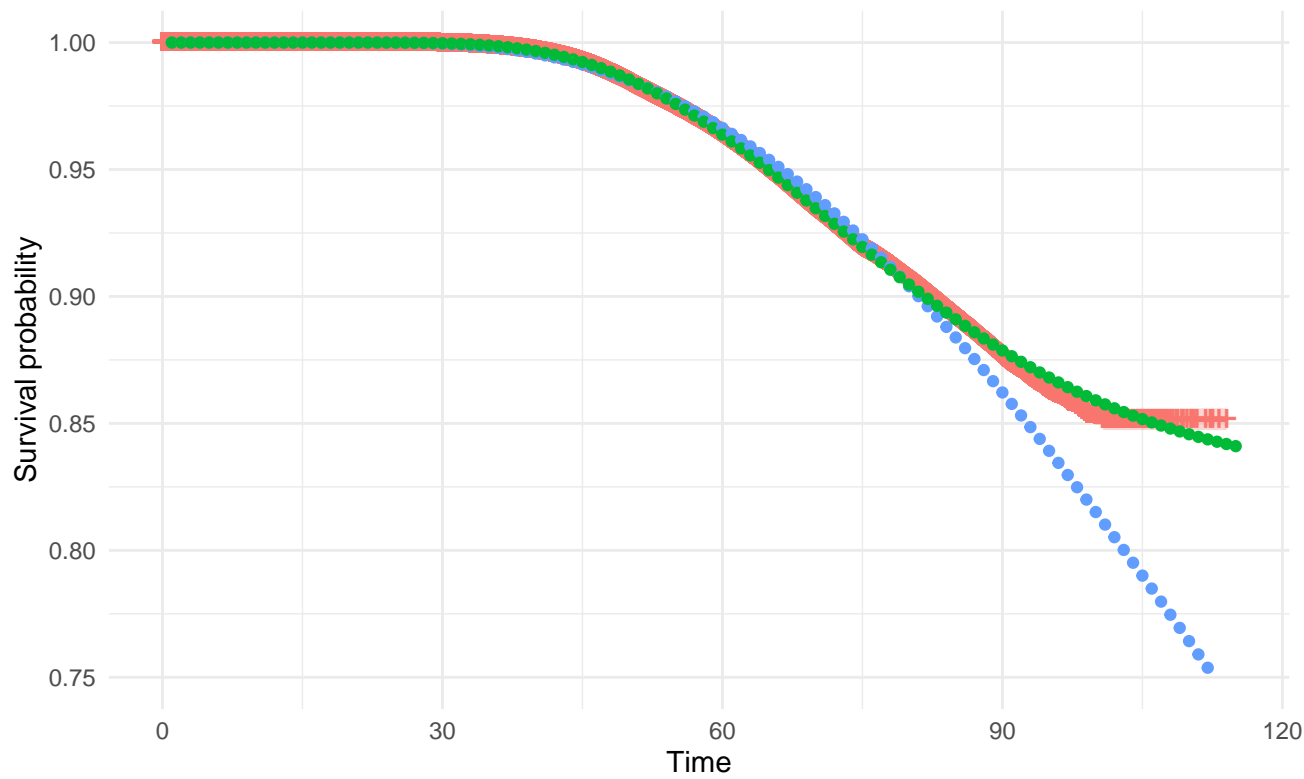pars Gamma on Four Members