

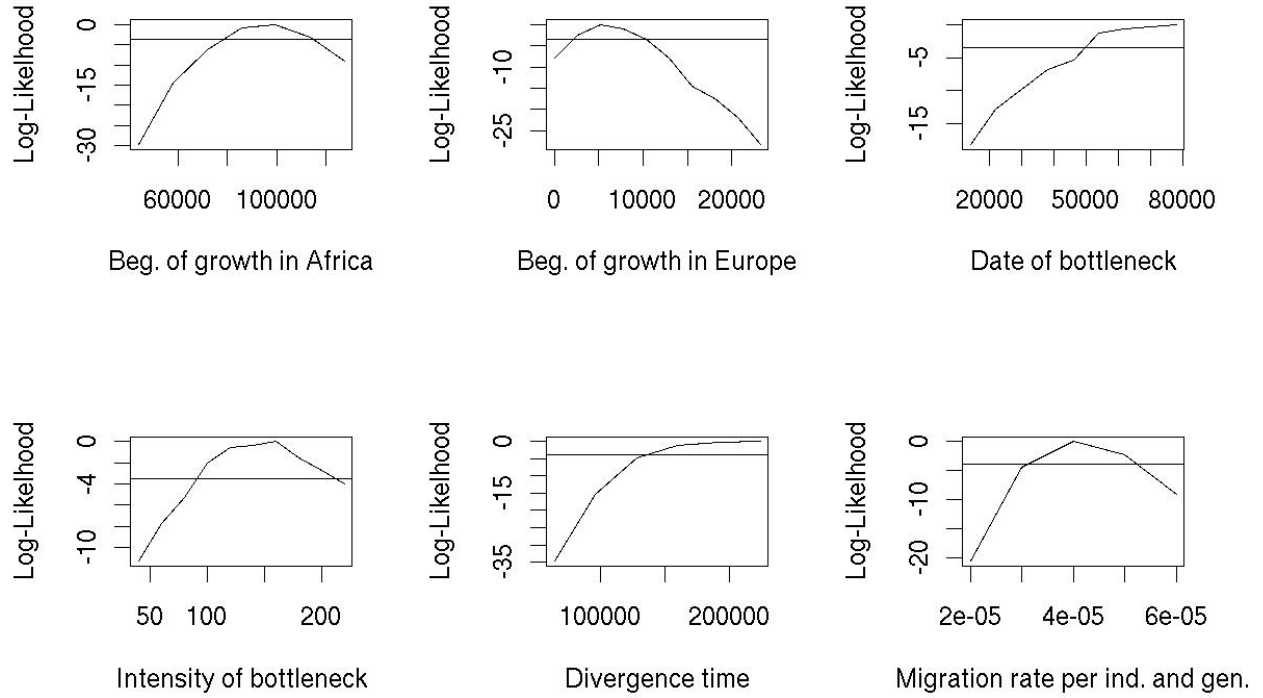


Figure 1: Profile likelihood for the six parameters estimated in our inference procedure (no admixture is assumed here). Computation limits prevent us from computing these statistics over a very dense grid. Our best estimates for the confidence interval (horizontal line) use a χ^2 approximation for the composite likelihood (threshold set to 10^{-2} in these graphs). As shown in this likelihood profile, we have little power to infer the divergence date between both populations. This date is set at 130,000 yrs.