

Figure 1. The mixture model fitted to African American female births (1985-88). The results are qualitatively similar for the other populations examined. The solid line represents the total density, while the long short dashed line is the density of subpopulation 1 and the short dashed line is the density of subpopulation 2. The rug plot displays the density of the original data.

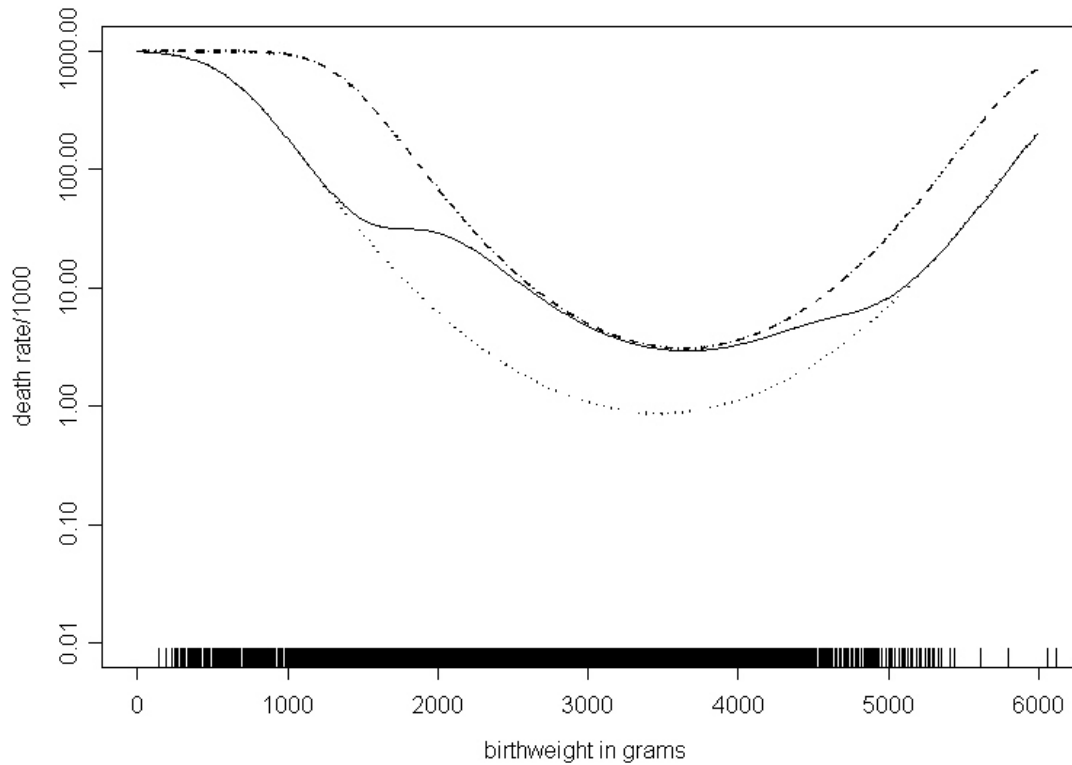


Figure 2. The mortality model fitted to African American female births (1985-88). The results are similar for the other populations (see text for qualifications). The solid line represents the total death rate, while the long short dashed line is the death rate of subpopulation 1 and the short dashed line is the death rate of subpopulation 2. The rug plot displays the density of births.

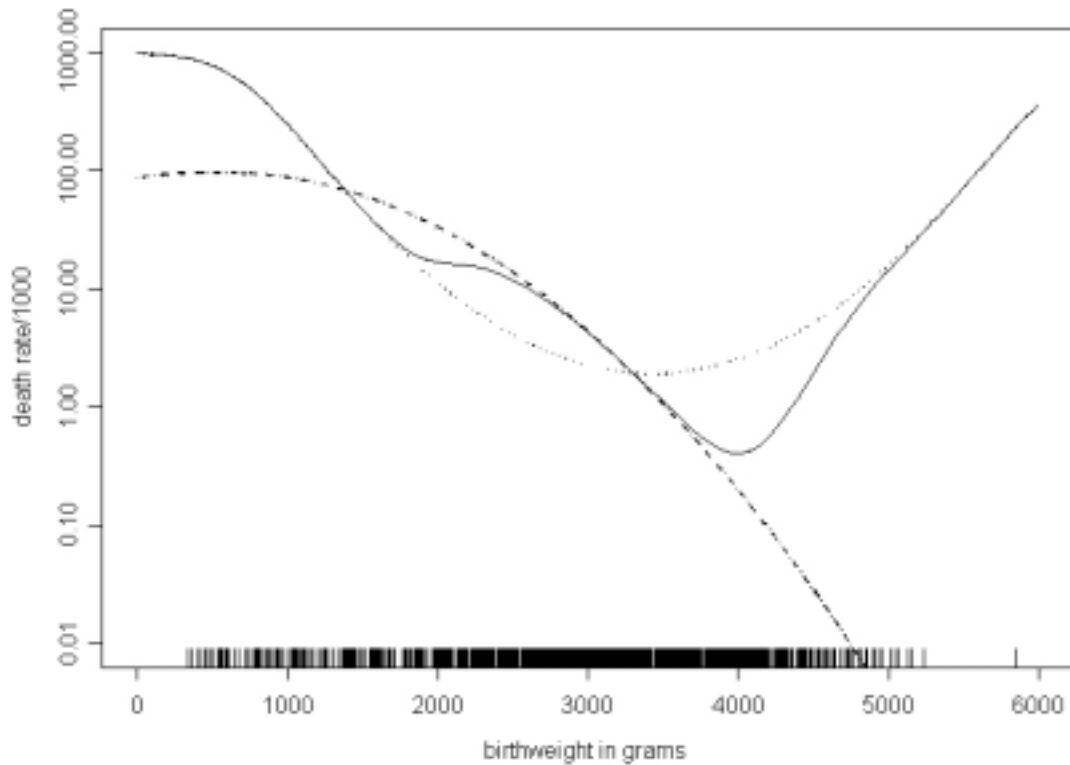


Figure 3. The full mortality model fitted to African American Hispanic female births (1985-88). The solid line represents the total death rate, while the long short dashed line is the death rate of subpopulation 1 and the short dashed line is the death rate of subpopulation 2. The n-shaped birth weight specific mortality curve for subpopulation 1 is biologically unrealistic.

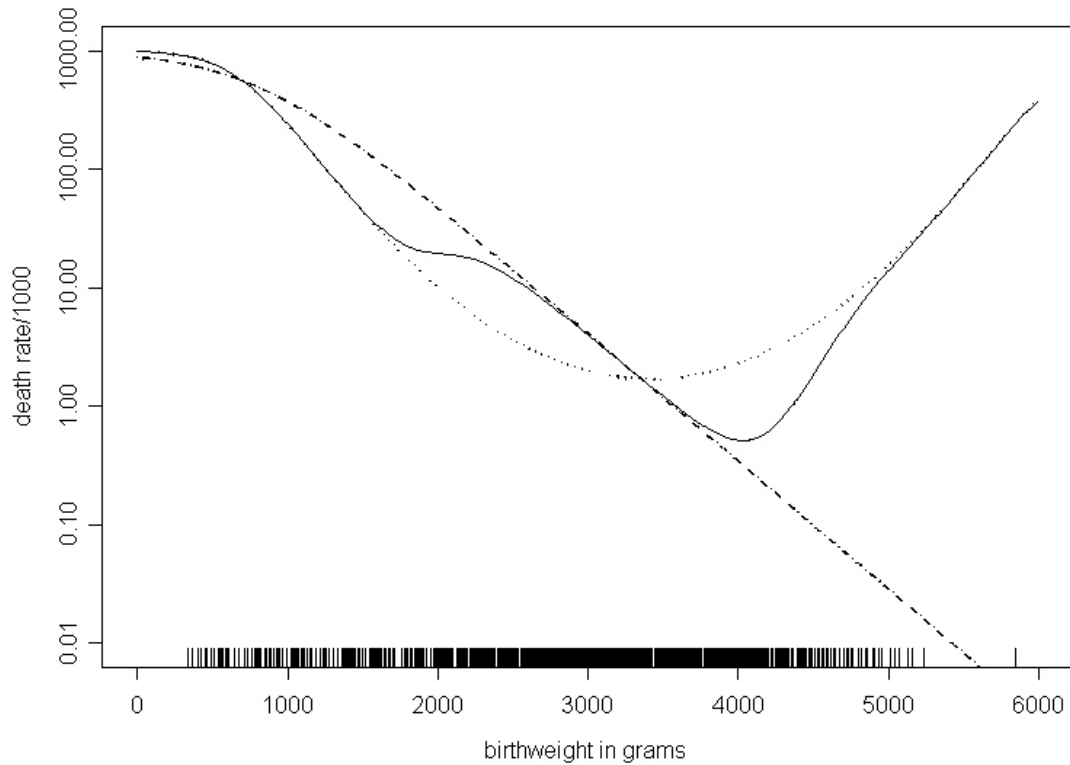


Figure 4. A reduced mortality model ($c_1=0.0$) fitted to African American Hispanic female births (1985-88). The solid line represents the total death rate, while the long short dashed line is the death rate of subpopulation 1 and the short dashed line is the death rate of subpopulation 2. Subpopulation 1 mortality declines linearly with birth weight (the graph shows this on a log scale) and is biologically more realistic, although in general quantitative traits are expected to display high mortality at both high and low levels of the trait.

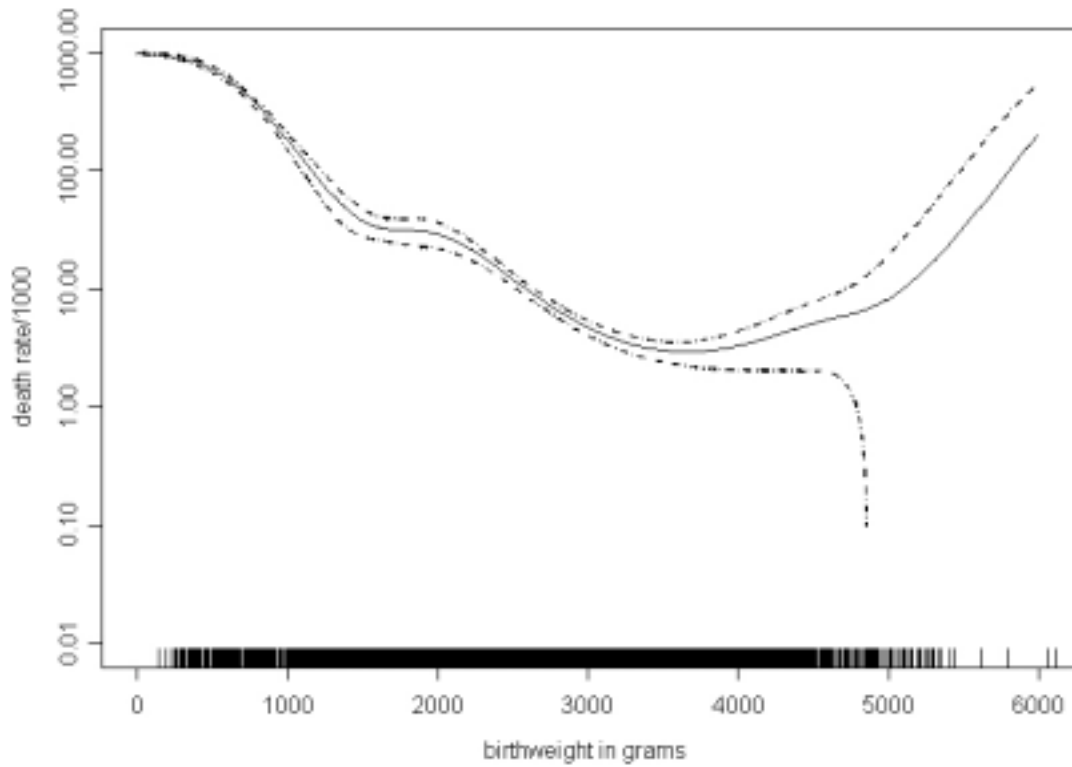


Figure 5. The mortality model fitted to African American female births (1985-88) with 95% confidence intervals. The solid line represents the total death rate (same as Figure 2). The dashed lines represent the 95% confidence limits for the total death rate. The rug plot displays the density of all births.