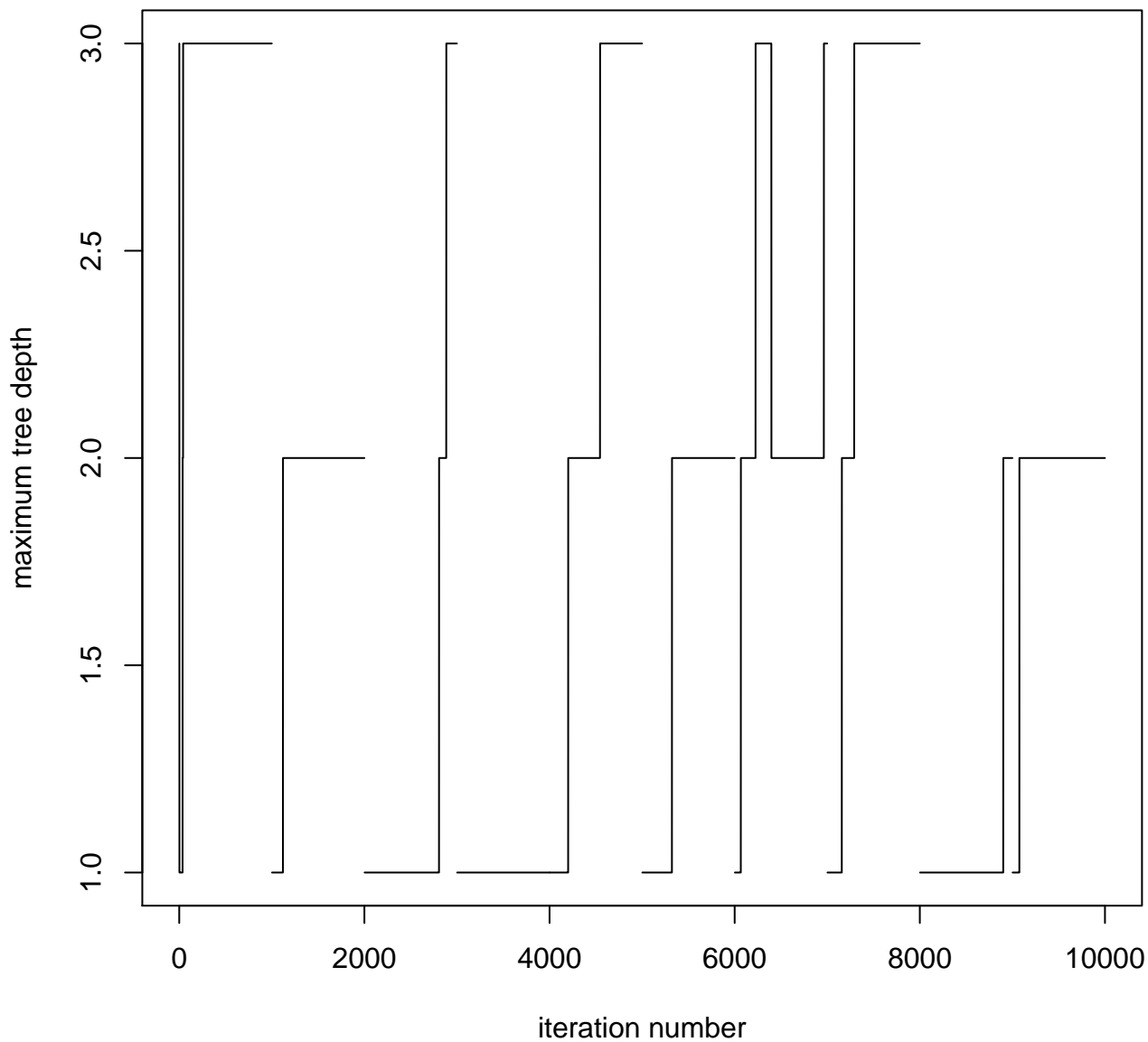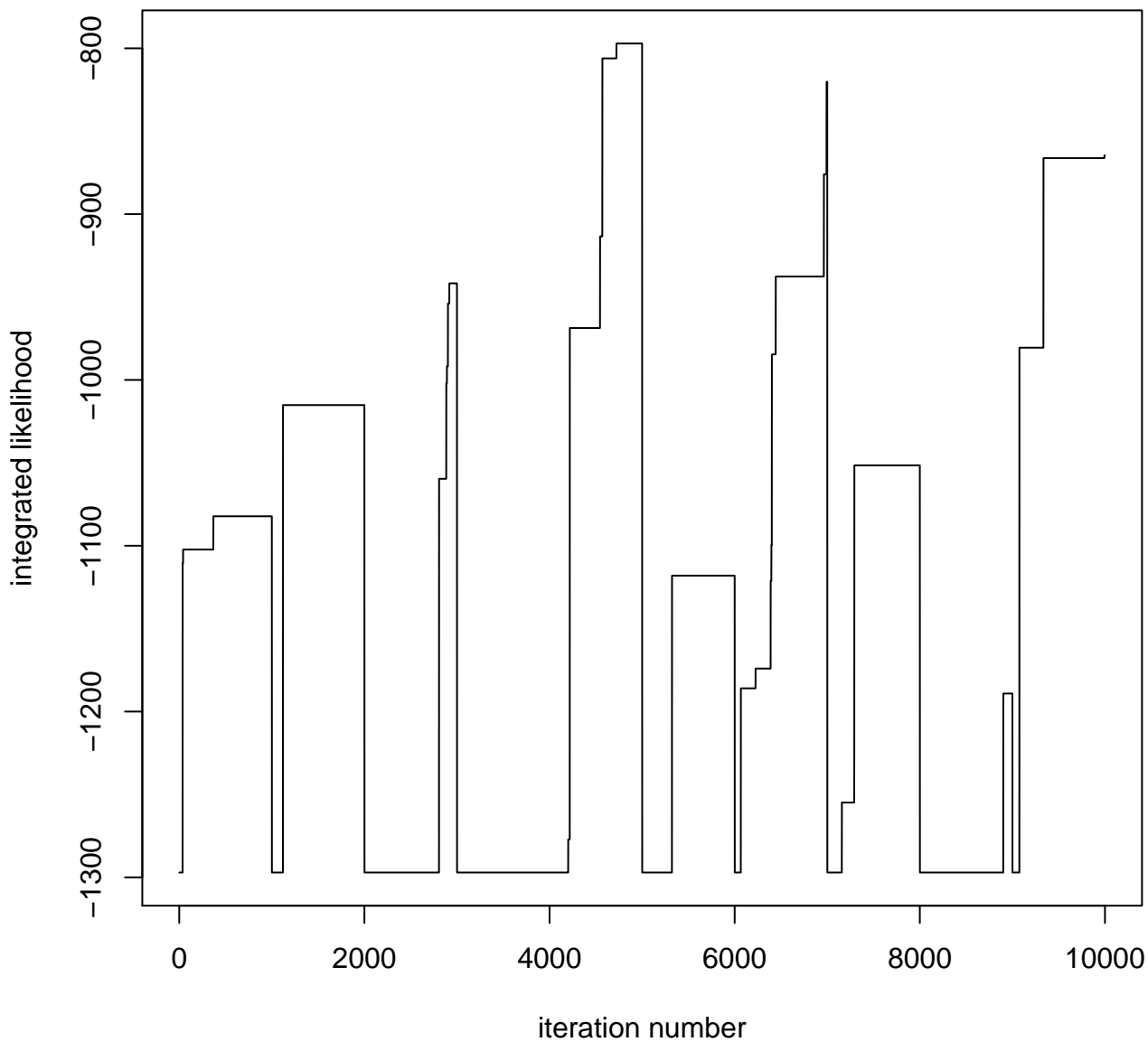**Max depth constraint simulation**

Tree sampler traceplot

Distribution of Weights Across Dimensions

estimated probability

covariate number