Figure 1: Realization of a Pareto (A) probability density function and (B) complementary cumulative distribution function compared against equivalent calculations on the HydroLAKES dataset.
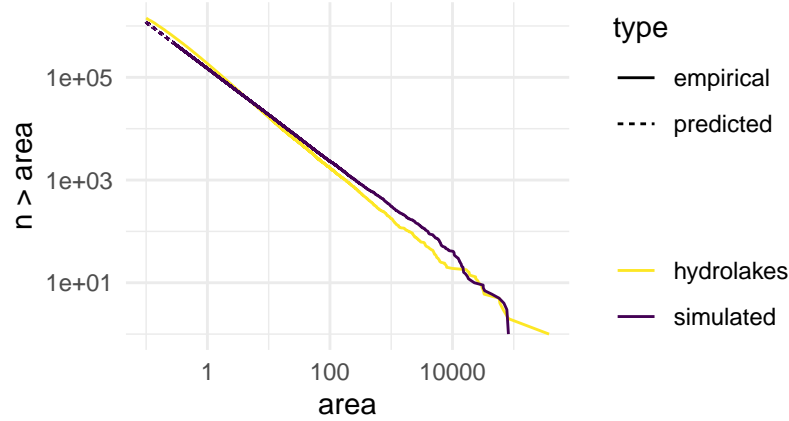

Figure 2: Simulated lake area (blue line) where the portion calculated from the edf ($>= 0.1\ km^2$) is denoted by a solid line and the portion calculated from the transformed cdf ($< 0.1\ km^2$) is denoted by a dashed line. For comparison, the edf of the HydroLAKES dataset (solid red line) is also shown.

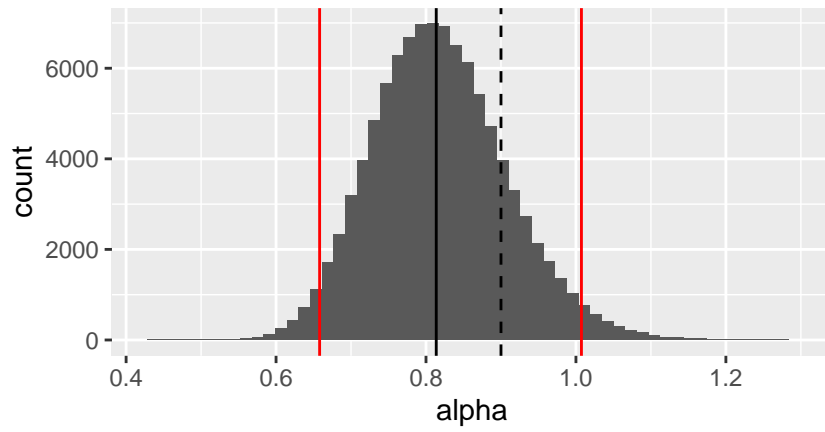Figure 3: Median (black line) and central 95 percent interval estimates of alpha (red lines). Here the 'true' alpha is 0.9 and is marked with a dashed line.
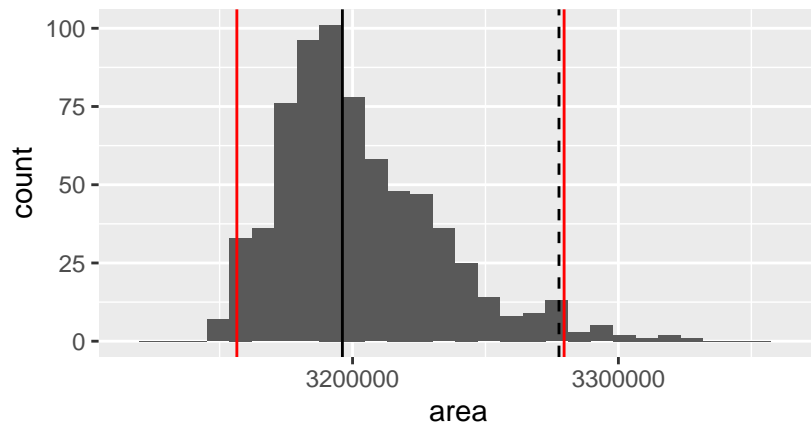

Figure 4: Median (black line) and central 95 percent interval estimates of total lake area (red lines). Here the true total lake area is marked with a dashed vertical line.