

S4 Fig. Fits of different aggregation rules to the observed data at various levels of added noise in Experiment 1. (A) Log-likelihood of the observed consensus values being produced from the exact value of each rule tested for a range of noise values (curves). Highlighted are the log-likelihood values corresponding to the observed level of deviation around the rule (circles). (B) As A, but only for groups with a low range (≤ 40) of estimates. (C) As A, but

only for groups with a high range (>40) of estimates. The rules tested are: the lowest estimate (x_1) , mean of the lowest and median estimate (x_{12}) , the median (x_2) , geometric (geom) and arithmetic (arit) means, mean of the lowest and highest estimates in each group (x_{13}) , mean of median and highest estimate (x_{23}) , and highest estimate (x_3) . At each level of noise, the geometric mean consistently provides amongst the best fits to the observed data.