

Table 2. Specified support criteria for fieldwork predictions

Specified support criteria for each prediction (“predict id”) described in table 1. Several abbreviations are specified in each corresponding prediction in table 1, and for local experts (Lexp), LP: laibon prophet, LH: laibon healer, and SA: science advisor. Several predictions are based largely on binary and categorical data from structured surveys, and therefore contain conditional probabilities about experts and problem domains.

For example, $Pr(LP = 1|SC = 1) > Pr(LP = 0|SC = 1)$ reads, “given the presence of a social conflict ($SC = 1$), the probability of identifying a service from a laibon prophet ($LP = 1$) will be greater than that of an expert who is not a laibon prophet ($LP = 0$)”. Analyses listed also include response variance about trust in overlapping vs. unique expertise in problem domains (σ_O vs. σ_U), TLU (tropical livestock units), distance from a medical provider (ℓ), individual trust (t), network degree (k) and betweenness centrality (C_B), and domain-specific competence score (λ).

predict id	support criteria
1	$Pr(LP = 1 SC = 1) > Pr(LP = 0 SC = 1)$
2	$Pr(SA = 1 EC = 1) > Pr(SA = 0 EC = 1)$
4	$\sigma_O > \sigma_U$ (trust responses)
5	$Pr(SA = 0) \sim TLU$
6	$Pr(SA = 1 ND = 1) > Pr(SA = 1 ND = 0)$
7	$Pr(SA = 0) \sim \ell$
8	$Pr(LH = 1 CD = 1) > Pr(LH = 1 CD = 0)$
9	$Pr(LH = 1) \sim \ell$
10	$Pr(t = 1) \sim \frac{k-1}{k}$
11	$C_{B_{Lexp}} > \bar{C}_B, k_{Lexp} > \bar{k}$
12	$\lambda_{PK_{LH}} > \bar{\lambda}_{PK}$
13	$\lambda_{Lexp} > \bar{\lambda}$, per domain