	Standard modeling	Distributional population modeling	Group modeling (single answer)	Group modeling (distributional)	Individual modeling
Description	Assumes single correct answer, any variance is noise X	Model the distribution of responses ✓	Model a group's answer (assuming each group has one answer)	Model a group's distribution of answers ✓	Model an individual's answers ✓
Target	Single response (interpersonal variation is noise	Distribution of responses (variation is signal √)	Single group response (inter-group variation is signal ☑, intra-group variation is noise ്X);	Group's distribution of responses ✓	Single response (interpersonal variation is signal)
Overlap requirement	No instance overlap required	Many annotators label same instance 🗙	Many annotators from each group label same instance	Many annotators from each group label same instance 💢	No instance overlap required √
Stereotyping risk	High 💢	Lower 🔽	High (no allowed in- group variation) 💢	Lower 🗸	<u>Lower</u> ✓
Know who disagrees or why?	No 💢	No 💢	Between groups, yes Within groups, no X	Between groups, yes 🗸 Within groups, no 💢	<u>Yes </u> ▼
Flexibility of population modeling	No 💢	Low, only on population distribution trained on	Medium, on arbitrary group mixtures 🗸 🗸	Medium, on arbitrary group mixtures 🗸	High, for arbitrary population via aggregation VVV