



## Appendix I. DSL-Adjusted Category Proportions by Demographic Group

*Note.* This shows an adjusted estimate of the mean (standard error) predicted label for each subgroup, correcting for sampling bias with the design-based supervised learning estimator (Egami et al., 2024). Cells are greyed out if the standard error (SE) > 50% of the estimate (proportion), and the estimate > 0.05 (the latter prevents visually penalising near-zero estimates). Cell colouring (when not greyed out) depends solely on the proportion estimate and does not encompass SEs. Because these represent proportions and not counts, rows with totals were removed because their interpretation into estimands of interest (e.g.,  $P(\text{interrogative type} \mid \text{demographic characteristic})$ ) is