

Supplementary Material

Genetic heritability as a tool to evaluate the precision of dietary variables derived from longitudinal 24-hour recall questionnaires in UK Biobank

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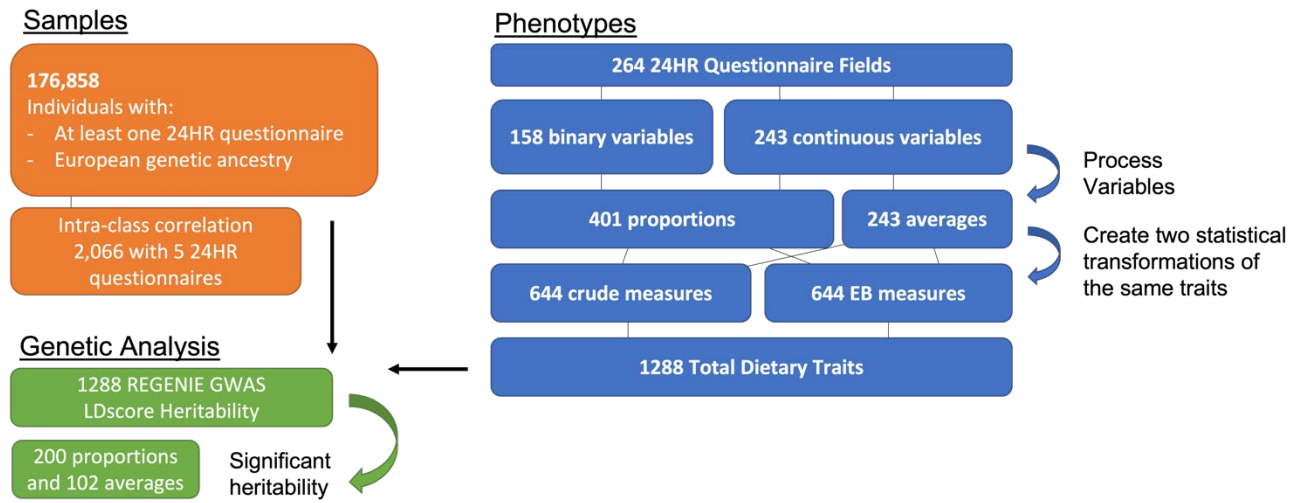
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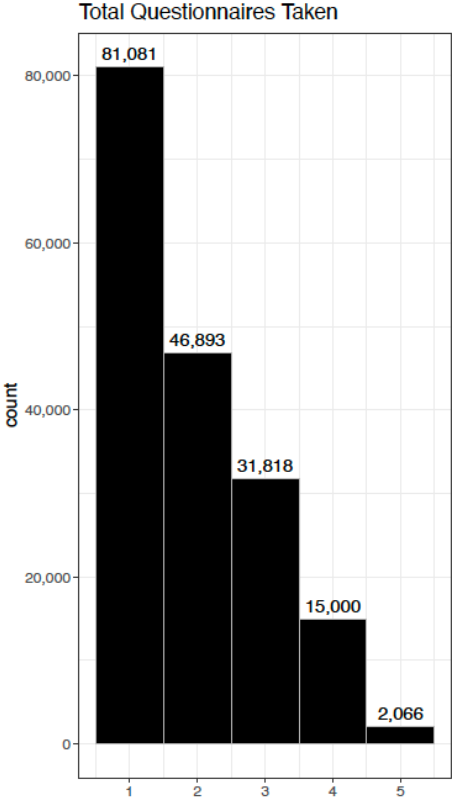
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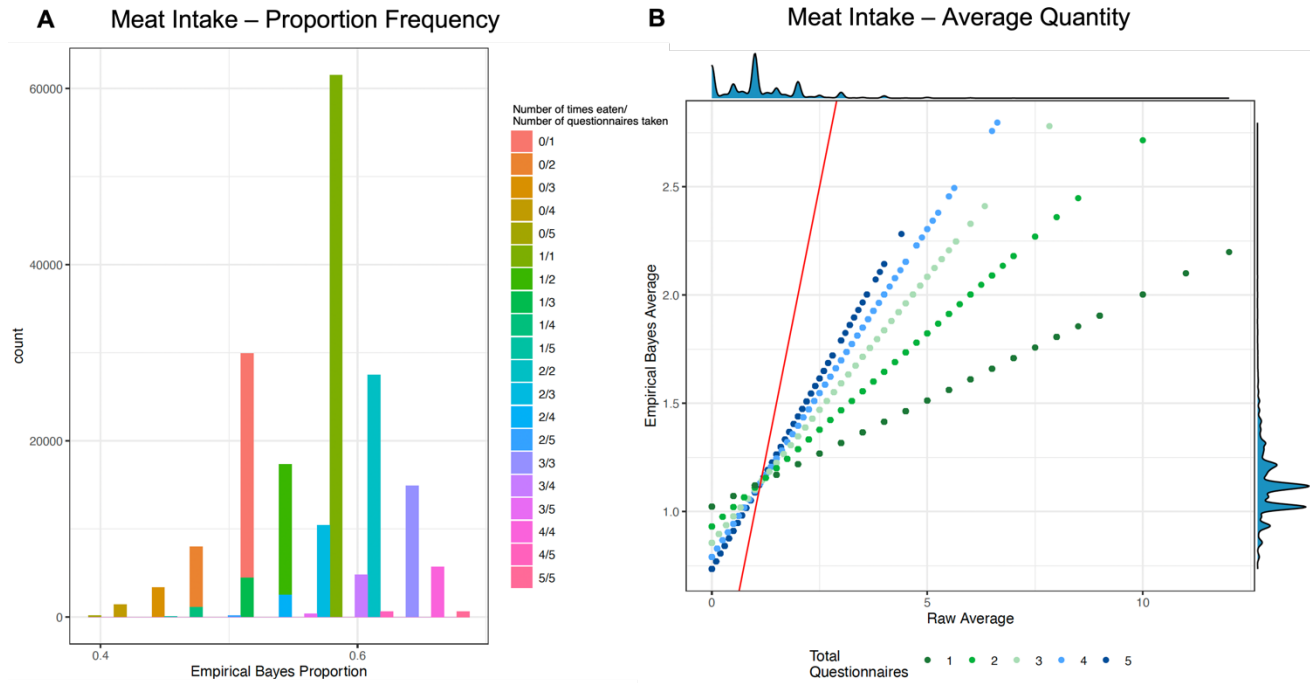
Supplemental Figure 1: Study design flowchart.



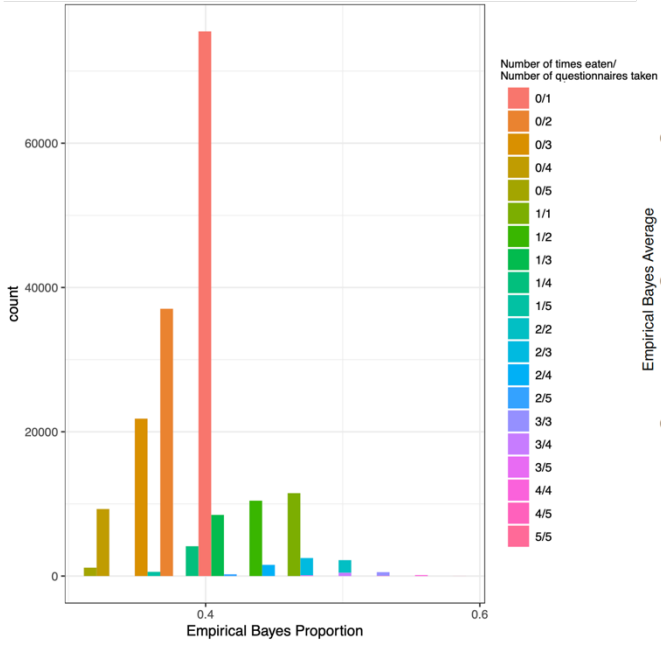
Supplemental Figure 2: Histogram of total number of 24-hour recall questionnaires taken in the final study sample.



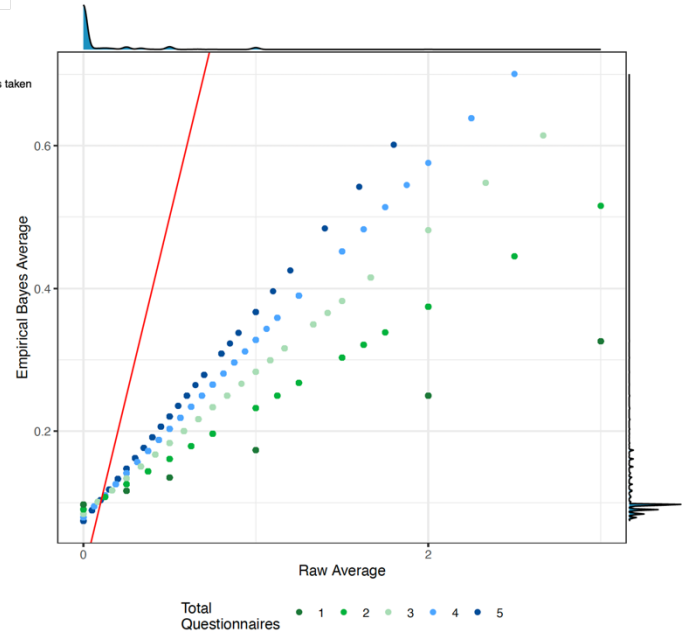
Supplemental Figure 3: Empirical Bayes Proportion and Average Transformations: Meat, Mushroom, and Nut Intake. These example visualizations depict the shrinking of raw values for individuals with fewer total questionnaires. A) Histogram of Empirical Bayes proportion colored and stacked by the crude proportion (number of times an individual reported consumption out of how many total questionnaires that individual took). B) Scatter plot of the crude average (x-axis) vs. the Empirical Bayes Average (y-axis), colored by total number of questionnaires taken. The red line is the line of identity, and the density plots are depicted on the top and right borders.



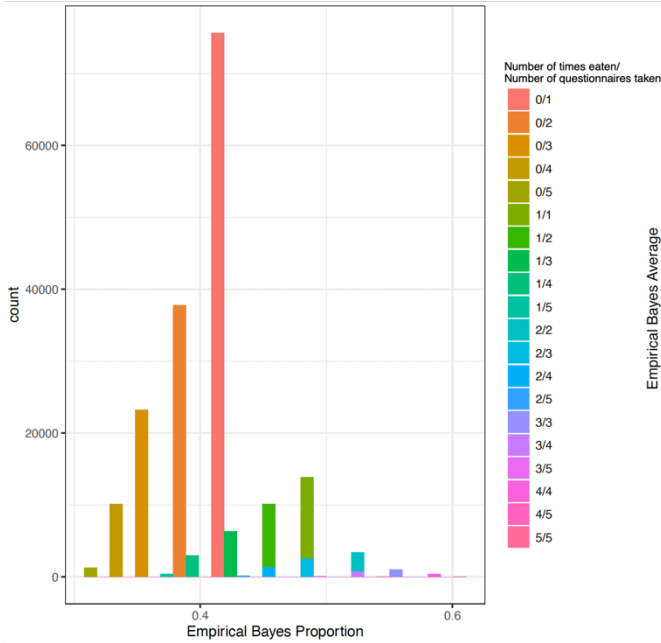
A Mushroom Intake – Proportion Frequency



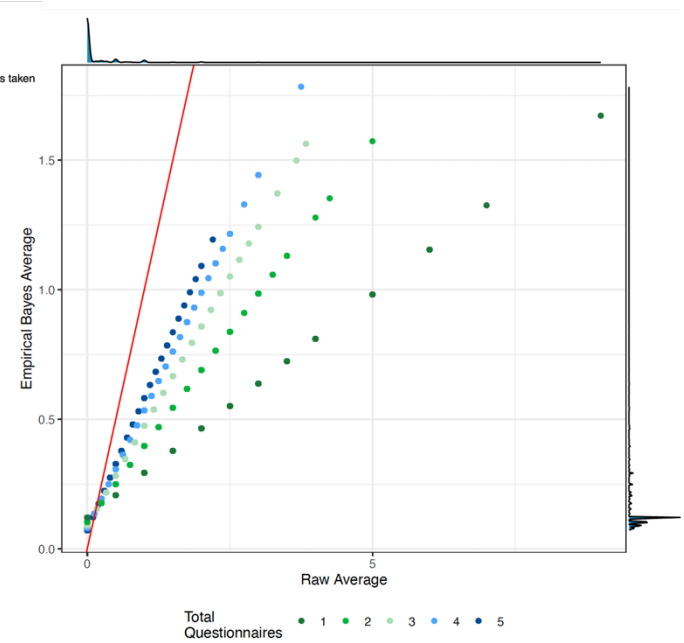
B Mushroom Intake – Average Quantity



A Nut Intake – Proportion Frequency



B Nut Intake – Average Quantity



Supplemental Figure 4: A replica of Figure 3 with all beverage phenotypes displayed as triangles with black borders.

