

## Descriptive Questions (15)

Based on the analysis which contains a data cleaning and merging process for COVID-19 related health surveys across multiple schemas. The data includes demographic information (age, sex, ethnicity), health indicators (symptoms like cough and fever, medical conditions), and impact metrics (mental health, travel changes).

*These questions focus on "What happened?" by summarizing the existing dataset.*

1. **Survey Volume:** What is the total number of survey responses recorded in the final merged dataset (final\_df\_new)?
2. **Symptom Prevalence:** What percentage of respondents reported experiencing 'fever\_chills\_shakes' versus 'cough'?
3. **Demographic Distribution:** How is the respondent population distributed across the different age groups defined in the age\_1 column?
4. **Geographic Spread:** Which 'fsa' (Forward Sortation Area) codes recorded the highest number of survey submissions?
5. **Vulnerability Status:** What is the ratio of respondents flagged as 'vulnerable' compared to those who are not?
6. **Gender Representation:** What is the breakdown of respondents by sex (male vs. female)?
7. **Medical History:** How many respondents indicated having 'any\_medical\_conditions'?
8. **Travel Impact:** How many individuals reported that they 'stillTravelEssential' despite the pandemic?
9. **Mental Health Trends:** What are the most common responses for the 'mental\_health\_impact' variable (e.g., 'negatively', 'noImpact')?
10. **Testing Rates:** What percentage of the surveyed population underwent COVID-19 testing?
11. **Media Consumption:** Which media channels (e.g., newspaper, radio) were most frequently cited by respondents?
12. **Ethnic Diversity:** What are the top three ethnicities represented in the ethnicity column?
13. **Risk Factors:** How many respondents are categorized as 'over\_60' with underlying medical conditions?

14. **Temporal Trends:** How does the volume of reports vary by month (e.g., April vs. July)?
15. **Support Needs:** What are the primary 'needs' (e.g., emotionalSupport) identified by the respondents?