

## Initial Analysis Protocol

### Classification

1. Does the speaker use the activation command (e.g., Hey Google, OK Google, Google) or address the voice assistant directly?

*If yes, classify the interaction as **intended**.*

- A. Was the purpose of the interaction to obtain information?

*If yes, classify the interaction as an **intended informational request**.*

- B. Was the purpose of the interaction to perform an activity mediated by Google Assistant?

*If yes, classify the interaction as an **intended transactional request**.*

- C. Was the purpose of the interaction to invoke a third-party application?

*If yes, classify the interaction as an **intended navigational request**.*

- D. Was the interaction playful (i.e., relief, incongruity, or superiority)?

*If yes, classify the interaction as an **intended playful request**.*

*If no, classify the interaction as **unintended**.*

- A. Does the audio recording correspond to a conversation between one or more people?

*If yes, classify the interaction as an **unintended background conversation**.*

- B. Does the audio recording correspond to a third party (e.g., music, TV, or radio)?

*If yes, classify the interaction as an **unintended third-party recording**.*

## Sensitivity and Intimacy

### Working Definitions

**Sensitive data**<sup>1</sup>: a special category of personal data that includes racial or ethnic origin, political opinions, religious or philosophical beliefs; trade-union membership; genetic data, biometric data processed solely to identify a human being; health-related data; and data concerning a person's sex life or sexual orientation.

**Sensitive data**<sup>2</sup>: personal data whose disclosure could expose people and lead to inferences about people's everyday behavior and experiences.

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<sup>1</sup> According to the European General Data Protection Regulation

<sup>2</sup> According to previous literature on the field of Human-Computer Interaction

**Intimate data**<sup>3</sup>: personal data generated from or about intimate everyday activities, practices, or bodily experiences.

1. Does the interaction contain information that belongs to a special category of sensitive personal data?  
*If yes, annotate the interaction as **sensitive**.*
2. Does the interaction contain information from or about intimate everyday activities, practices, or bodily experiences?  
*If yes, annotate the interaction as **intimate**.*
3. Can sensitive or intimate information be inferred from the interaction?  
*If yes, annotate the potential inferences (e.g., interests, routine).*
4. Can other types of information be inferred from the interaction?  
*If yes, annotate the potential inferences (e.g., emotional state of the speaker).*
5. Can sensitive or intimate information be inferred from the combination of this interaction with other interactions of the same type?  
*If yes, annotate the potential inferences (e.g., interests, routine).*

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<sup>3</sup> According to previous literature on the field of Human-Computer Interaction