

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 data¹: 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 data²: personal data whose disclosure could expose people and lead to inferences about people's everyday behavior and experiences.

¹ According to the European General Data Protection Regulation

² According to previous literature on the field of Human-Computer Interaction

Intimate data³: 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).

³ According to previous literature on the field of Human-Computer Interaction