

Observational Plan - Smart Cooking

Gabi Duncombe, Meghna Bhairappa, Kelly Graham, Dave Kennedy

We will be conducting interviews, either in-person or over teleconferencing software, and asking participants to create a photo log to record their everyday activities about cooking with smart technology.

Through this method, we will be learning about participants':

Attitudes	Understand what they think, feel, and say
Behaviors	Understand what they do and how they act
Responsibilities	Understanding their responsibilities and accountabilities within their households
Interpersonal Relationships	Understanding how they relate to and interact with others in their households

We will be video-recording our interviews with at least one small video camera aimed towards the participant. One researcher will be designated as the primary interviewer for each participant, and the other researchers will be taking notes during the interview. The video will be used for reference later, but the primary source of data for analysis will be the notes captured by the researchers.

During our interviews we will observe the actions, appearance, and behaviour of participants and how they change over the course of the interview. We will document facial expressions, gestures, and postures as they relate to what our participants say and the actions they take as well as the physical space and setting of where our participants like to cook, and the composition and organization of their smart cooking devices within the larger kitchen setting.

The field notes generated by our observers and the photographic depictions created by participants will be categorized into the major areas of our research question: attitudes, behaviors, responsibilities, and relationships. These categories will then each be coded for thematic analysis.

We will be taking a grounded theory approach of deriving our coding directly from the data and abstracting into major emergent themes, and producing a descriptive analysis of our observations.