

What information should a smart cooking assistant provide?

Imagine a digital assistant (e.g., Siri, Alexa or other) that can provide you with information while you are cooking. We are interested in learning what information would be desirable to you in such a situation.

A digital assistant in the kitchen should ...

- recommend recipes (e.g., “Ok, Alexa, what should I cook tonight?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- help me learn about the origin of the recipe and how it has developed (e.g., “Where does Duck à l’Orange originate?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- help me learn about the science behind cooking processes (e.g., “What happens to sour cream when it is heated?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- help me to adapt a recipe to my (dietary) needs and preferences

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- explain how and why a step in the recipe I am cooking is important

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- be able to tell me about the ingredients and the quantities that I need to complete a recipe or recipe step (e.g., “Which ingredients do I need?”, “How many potatoes should I use?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- be able to inform me about the equipment/cooking utensils I should use (e.g., “Can I use a pot for this?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- be able to inform me about the temperature at which ingredients/meals should be cooked (e.g., “At which temperature?”, “Do I need to preheat the oven?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- be able to inform me about the time required until the meal is prepared (e.g., “How long does it take? 10 minutes or 20 minutes?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- help me learn the cooking techniques required by the recipe (e.g., “OK, how do you prepare potatoes properly?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- be able to guide me through the process of preparing the recipe (e.g., “What should I do next?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

- provide suggestions about complementary dishes (e.g., “Which desserts go with chilli?”)

Strongly disagree 1 2 3 4 5 6 7 strongly agree

A few questions to help us understand who has answered our survey

How confident do you feel about being able to cook from raw or basic ingredients?

Extremely Confident 1 2 3 4 5 6 7 Not confident at all

How confident do you feel about following a simple recipe?

Extremely Confident 1 2 3 4 5 6 7 Not confident at all

How confident do you feel about preparing and cooking new foods and recipes?

Extremely Confident 1 2 3 4 5 6 7 Not confident at all

How often do you prepare and cook a main meal using raw ingredients (for example, cooking soup using fresh vegetables, or cooking chili using raw meat and fresh vegetables)?

- a. Daily
- b. 4-6 times a week
- c. 2-3 times a week
- d. Once a week
- e. Less than once a week
- f. Never

To which extent do you agree with the following statement?

I enjoy cooking.

Strongly disagree 1 2 3 4 5 6 7 strongly agree

Gender Male / Female / Other

Age: *dropdown w/ age steps*

18-24
25-34
35-44
45-54
55-64

How would you describe your current employment status? XXXX

What is the highest degree or level of education you have completed?

- Less than high school
- High school graduate (includes equivalency)
- Bachelor's degree
- Master's degree
- Ph.D. or higher
- Vocational Education

How often do you use a smart assistant such as Alexa, Siri, Google Home or other?

- a. Daily
- b. 4-6 times a week
- c. 2-3 times a week
- d. Once a week
- e. Less than once a week
- f. Never