

Rigaux, Hamels and Ovaere (2024). "The Proof of the Pudding is in the Heating: a Field Experiment on Household Engagement with Heat Pump Flexibility"

Content:

This document is an archive of the analysis of comments left by participants at manual overrule, featuring the [input](#) prompts of the thematic analysis conducted. The analysis was performed on October 16, 2024 using ChatGPT (Version o1 preview), an AI language model developed by OpenAI.

Disclaimer:

The authors take final responsibility for the results of the analysis.

References:

OpenAI. (2024, October 16). *ChatGPT* (Version o1 preview) [AI language model]. OpenAI.
<https://chat.openai.com/>

Archive:

Input:

You have a list of comments provided by households participating in an experiment involving heat pump (HP) flexibility. In this experiment, interruptions in space and water heating could occur, potentially decreasing indoor temperature and domestic hot water availability. The comments served as a means for households to stop the ongoing interruption and have their HP resume normal operation. While the stop was automatic upon receiving the comment (not conditional on the content), households were informed that their comments would be read later by the researchers. They were allowed to communicate about anything they wanted, including satisfaction, comfort levels, adaptability during these interruptions, and any other feedback.

Task:

Theme Identification and Summarization:

Identify and summarize the distinct themes present in the comments, ensuring minimal overlap between themes.

Provide a clear description for each theme.

For each theme, indicate:

The number of comments associated with it.

The proportion of the total comments this represents (theme balance).

Rank the themes from most to least frequent based on their prevalence in the comments.

Comment Classification:

Assign each comment to the identified themes.

Represent this classification in a structured table:

Each row corresponds to a comment.

Each column corresponds to a theme.

Indicate with a checkmark or binary indicator (e.g., "1" for yes, "0" for no) whether the comment relates to each theme.

Guidelines and Constraints:

Exclude any personal identifiers or sensitive information from the comments and analysis.

Focus solely on the content related to the participants' experiences and feedback during the interruptions.

Ensure minimal overlap between themes to maintain clarity in classification.

Expected Output:

Theme List and Descriptions:

A numbered list of the identified themes.

For each theme:

A clear and concise description.

The number of comments associated with it.

The percentage this number represents out of the total number of comments.

A ranking position based on frequency.

Classification Table:

A table where:

Each row represents a single comment (you may reference comments by a unique identifier if the actual text is too long).

Each column represents one of the identified themes.

Cells contain a checkmark or "1" if the comment corresponds to the theme, or leave it blank/"0" if not.

Summary Analysis:

A brief summary highlighting:

The most prevalent themes.

Any notable patterns or insights observed from the data.

Potential implications or areas for further investigation based on the themes.