

This directory includes the supplemental material for the paper, “PlanTogether: Facilitating AI Application Planning Using Information Graphs and Large Language Models”

The contents of the directory are as follows:

- **planning-information-graph**: A directory including the materials around the planning information graph.
  - **edges**: The nodes and edges of the planning information graph
    - **[nn]-[section]**: The folder contains each section’s nodes and edges where [nn] indicates numerical ordering (e.g., 01, 02, ...) and [section] stands for the section names.
      - **[nn]-[section]-[mm]-[section].csv**: Each file includes the nodes and edges corresponding to each section. [nn] indicates numerical ordering (e.g., 01, 02, ...), and [section]s represent the section names. Each file describes the edges between the nodes of the first section ([nn]-section) and the second section ([mm]-section). The rows of the csv files show the parent nodes and the columns of the files show the children nodes.  $M_{i,j}$  (ith row, jth column) can be *empty*, indicating no edge from node i to node j, take the value of 1, indicating that node j is a prerequisite child of node i, or take the value of 3, indicating that node j is a contextual child of node i.
  - **nodes**: The folder including nodes of the planning information graph
    - **node-question-form.csv**: A csv file containing the title (column 1), the question (column 2), and the type of answer form template used (column 3) for each of the nodes.
  - **answer-form.pdf**: The answer form templates and their descriptions.
- **preliminary-domain-experts.pdf**: The file including a summary of preliminary evaluation participants (years of experience, AI application ideas)
- **prompt-templates.md**: The prompt templates PlanTogether uses when prompting a large language model.
- **study**: A directory including the materials from the user study.
  - **ai-experts.pdf**: The file including an overview of the AI experts who participated in evaluating the plans from the user study (years of experience, relevant job title)
  - **client-side-plan-rating-rubric.pdf**: The file describes the rating rubrics that AI experts used to evaluate client-side plans.
  - **plan-ratings.pdf**: The file contains AI expert ratings of client-side plans based on the rating rubrics.
  - **protocol.pdf**: The protocol used when running the user study.
  - **surveys.pdf**: The survey forms we used while running the user study. The file includes the pre-study survey and post-study survey.