User
1. Model-related questions
2. Recommendation request
3. Action explanation
4. Optimization-related questions

Prompting techniques
1. Expert Chain-of-Thought
2. Few-shot Learning
3. Key-retrieve
4. Sentiment

OptiChat

Optimization model
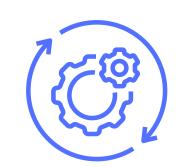
PYOMO
1. Decision variables
2. Fixed and adjustable parameters
3. Constraints and objective
4. Additional comments

Tasks
T1. Model Analysis
T2. Infeasibility diagnosis
T3. Troubleshoot recommendation
T4. Interactive conversation

Autonomous function call

GUROBI OPTIMIZATION
1. Solution status
2. Irreducible Infeasible Subset (IIS)
3. Value of adjusted parameter(s)