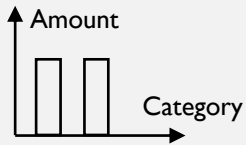


Budget Allocation



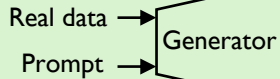
- Equal Allocation
- Inverse Allocation
- Water-Filling-Based

Prompt Design

1. An image of cat
2. Cat
3. A sketch of cat

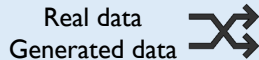
- Single Prompt
- Multiple Prompts
- LLM Diversified

Generation Guidance



- Prompt Guidance
- Real-Data-Guidance
- Mixed Guidance

Training Strategy



- Generative First
- Private First
- Mixed Training

Generation Recipe:

- Equal Allocation
- Multiple Prompts
- Mixed Guidance

Generative Model

Fixed

*Only require once throughout FL

Local Model Training

Private Dataset



Training Recipe:

- Mixed Training

Merge

Train

Local Model

Training Dataset