

# Multimodal Rules

Rule Alignment

# Rule Dataset

LLM Transformation

# Horae Language

Recognition Assignment

# Result Integration

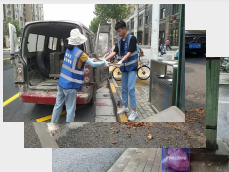
## Natural Language Text Rules

Digital Urban Management Case Filing and Closing Standards					
Code	Name	Legal Basis	Managing Entity	Case Filing Standards	Level
01	Illegal Construction	Article 26 of the xxx Regulation	District Law Enforcement Bureau	Illegal constructions newly added to the original buildings or residential areas on both sides of the road	A
05	Dirty Balcony	Article 26 of the xxx Regulation	District Law Enforcement Bureau	Construction of buildings without approval	B
06	Hanging Colorful Flags	Article 26 of the xxx Regulation	District Law Enforcement Bureau	Street-facing balconies are dirty and disordered	A
07	Street-side Drying	Article 26 of the xxx Regulation	District Law Enforcement Bureau	Hanging colorful flags on buildings without approval	A

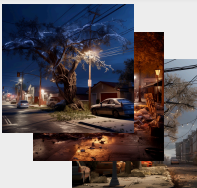
screening & evaluation

multimodal rule alignment

## Image and Video Rules

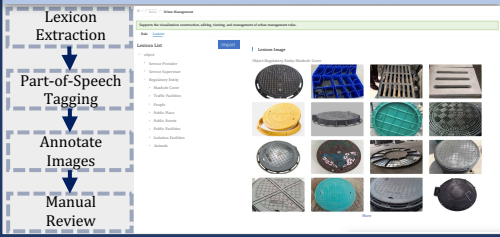


real-world scenario



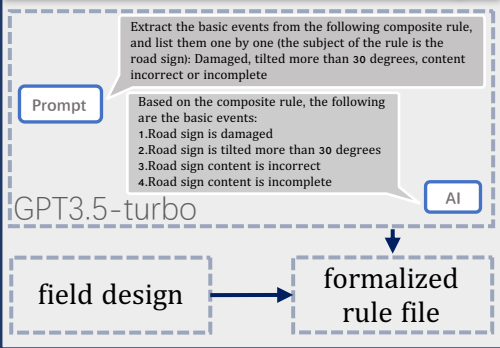
AIGC scenario

## Construction of Multimodal Lexicon

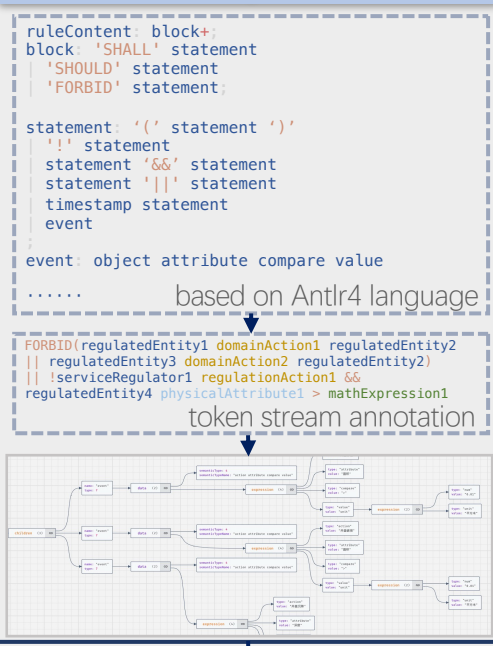


semi-structured rule dataset

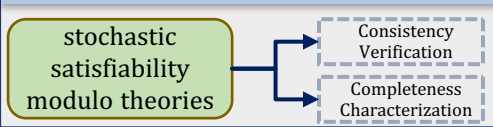
## Construction of Multimodal Rule Library



## Grammar Specification



## Formal Semantics

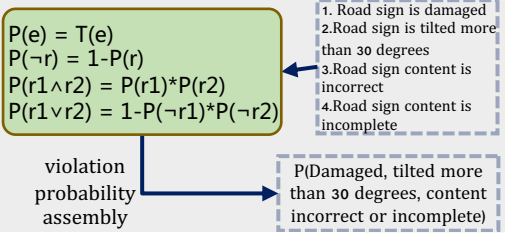


basic event-level regulatory task set

training fine-tuning corpus

recognition model

## Composite-Rule Probability Calculation Engine



Warning: Warning: 1  
Violated Rules: 1  
Violated Rules:  
- Living garbage scattered on the road surface, obvious debris present on the road.  
Warning Record:  
- w/001h/000m.jpg  
Forbidden Threshold: 0.05