

# WritingBench: A Comprehensive Benchmark for Generative Writing

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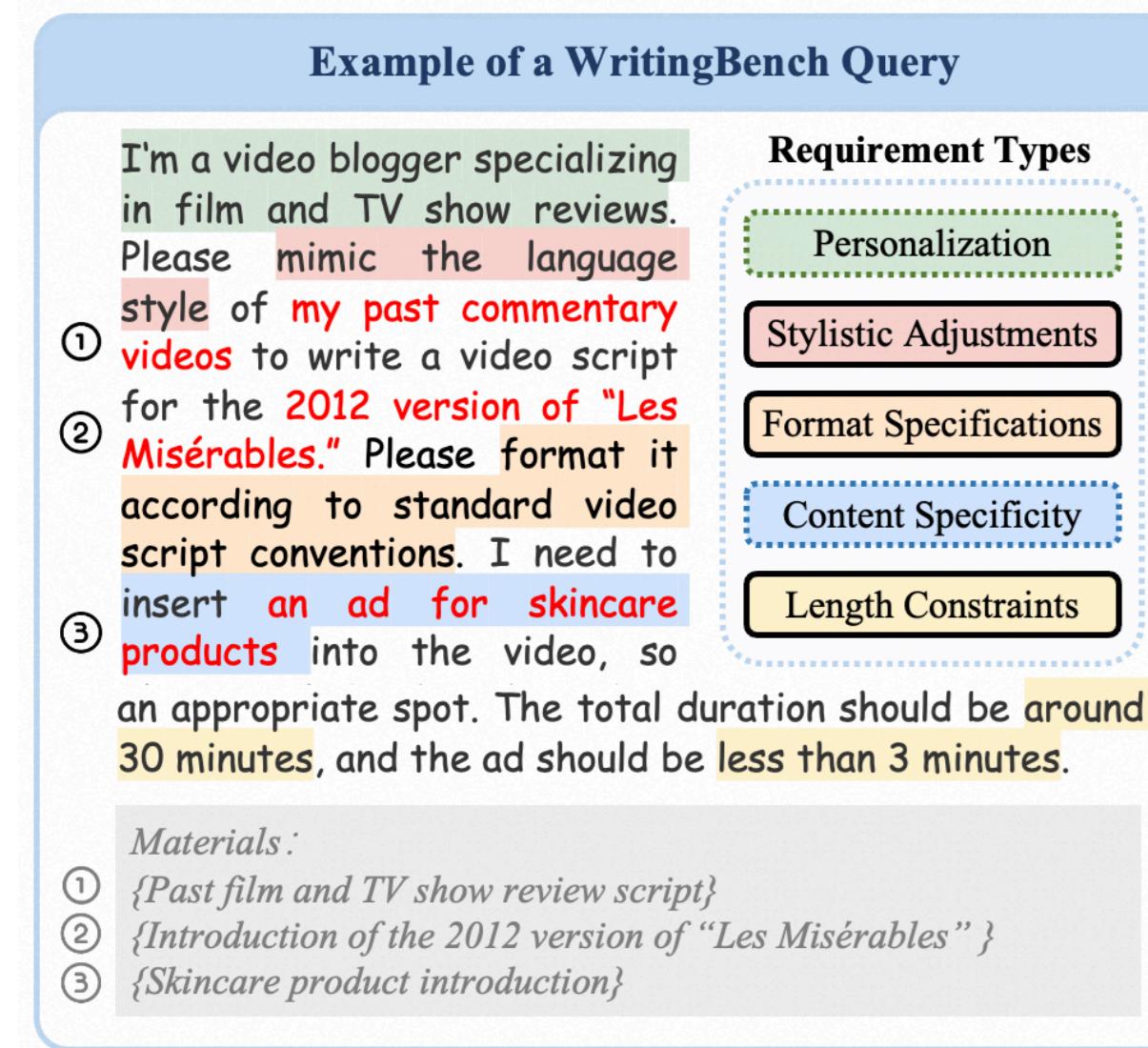
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## OVERVIEW

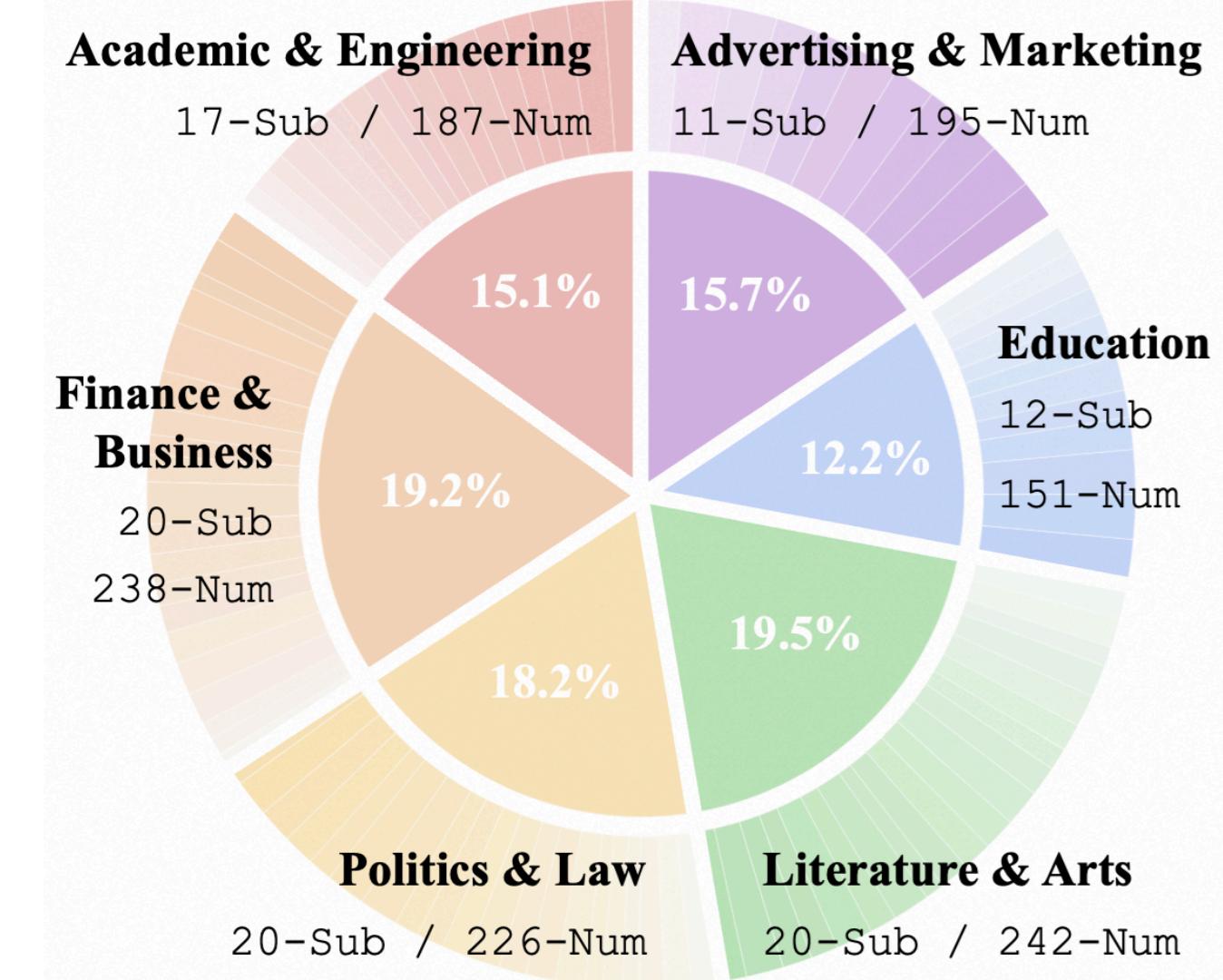
### ■ Introduction of WritingBench

An open-source benchmark for evaluating LLMs' writing capabilities across 1,000 real-world queries, spanning:



- 6 primary domains
- 100 fine-grained subdomains
- 1,500+ avg. tokens per query with diverse materials
- 5 instance-specific criteria per query, scoring through SOTA LLMs or through a finetuned critic model

### ■ Data Statistics for WritingBench



Category	Num	Avg Token	Max Token
<b>Domain</b>			
Academic & Engineering	187	1,915	15,534
Finance & Business	238	1,762	19,361
Politics & Law	226	2,274	18,317
Literature & Arts	242	1,133	9,973
Education	151	1,173	10,737
Advertising & Marketing	195	886	6,504
<b>Requirement</b>			
Style	395	1,404	18,197
Format	342	1,591	18,197
Length	214	1,226	14,097
<b>Length</b>			
<1K	727	443	994
1K-3K	341	1,808	2,991
3K-5K	94	3,804	4,966
5K+	77	8,042	19,361

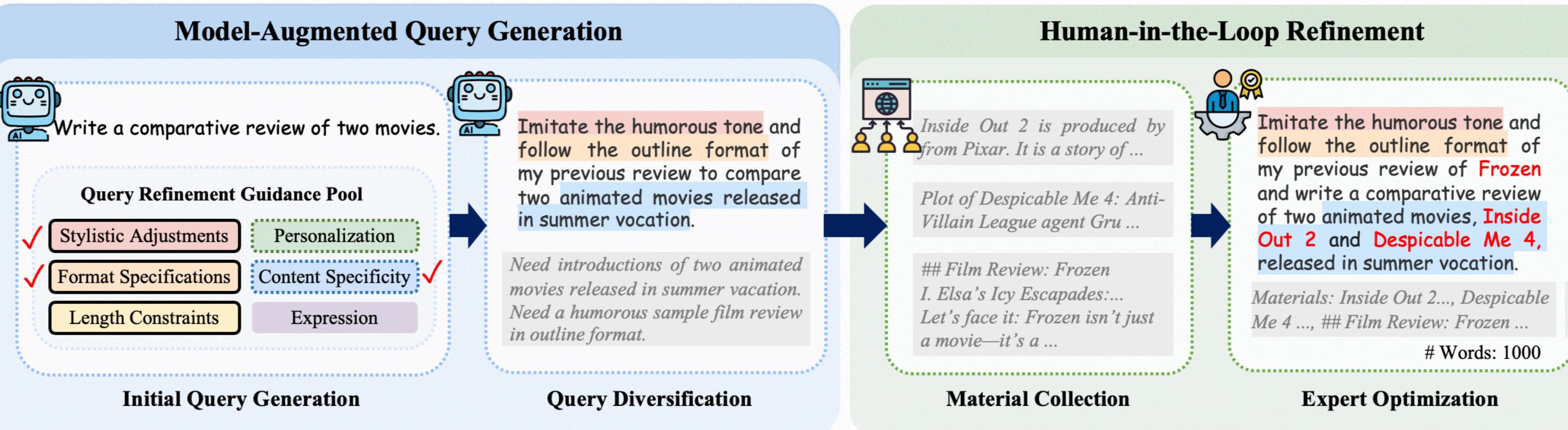
### ■ Comparison with other Writing Benchmarks

Benchmark	Num	Domains		Requirement			Input Token	Free	Diverse
		Primary	Secondary	Style	Format	Length			
EQ-Bench	241	1	/	X	X	X	130	213	/
LongBench-Write	120	7	/	X	X	X	87	684	/
HelloBench	647	5	38	X	X	X	1,210	7,766	X
<b>WritingBench</b>	<b>1,000</b>	<b>6</b>	<b>100</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>1,699</b>	<b>19,361</b>	<b>✓</b>

We aim to make WritingBench a **reliable, comprehensive, sustainable** benchmark for generative writing frontiers.

## BENCHMARK CONSTRUCTION

### ■ Human-AI Collaborative Construction Pipeline



- **Model-Augmented Query Generation:** AI drafts queries by domain tag, enriched through guidance and supplemented with material suggestions.
- **Human-in-the-Loop Refinement:** Experts collect necessary material, review and refine queries to ensure safety and applicability.

## EXPERIMENT

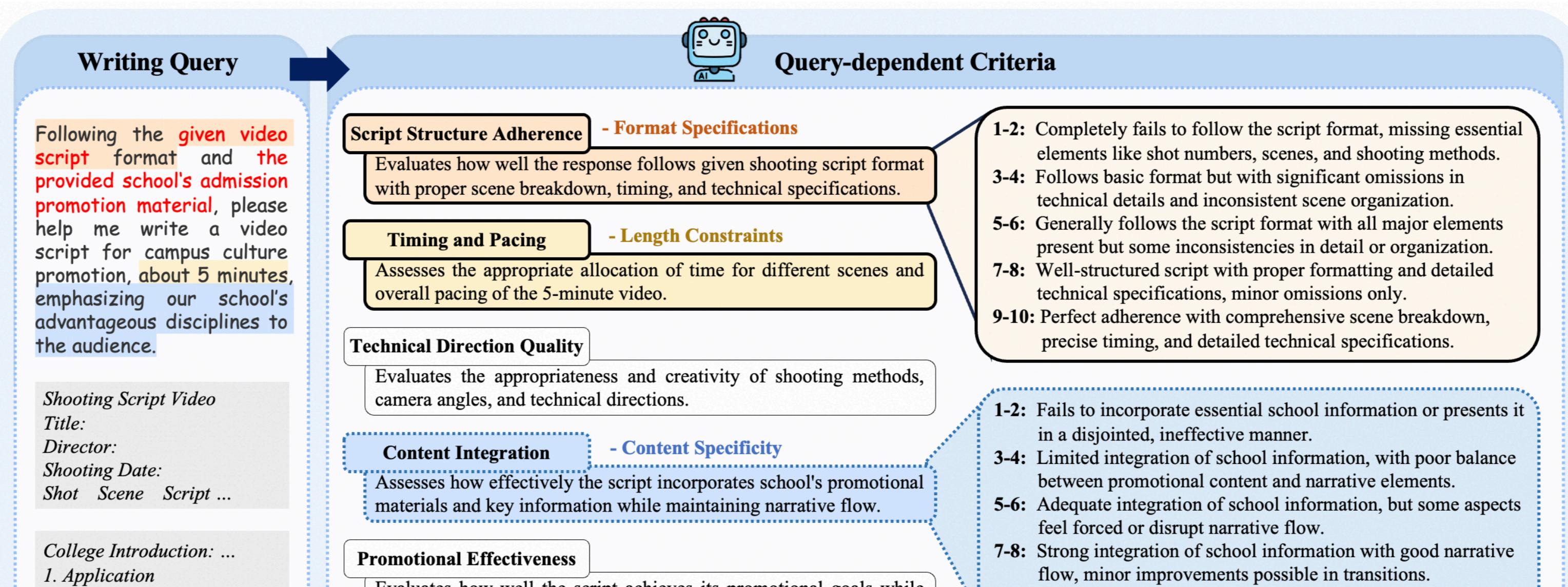
### ■ WritingBench Leaderboard

Table 3: WritingBench performance of LLMs across 6 domains and 3 core requirements evaluated with our critic model (scale: 1-10). The standard deviation is computed over 3 samples. Domains include: (D1) Academic & Engineering, (D2) Finance & Business, (D3) Politics & Law, (D4) Literature & Art, (D5) Education, and (D6) Advertising & Marketing. The writing requirements assessed are: (R1) Style, (R2) Format, and (R3) Length. Here, "C" indicates category-specific scores. The latest results are available on the online leaderboard.

Models	Overall	Languages		Domains						Requirements					
		ZH	EN	D1	D2	D3	D4	D5	D6	R1	C	R2	C	R3	C
<b>Proprietary LLMs</b>															
Claude-3.7-thinking	7.91 <sub>±0.111</sub>	7.9	7.9	7.9	7.8	7.8	8.0	8.0	8.1	7.9	8.7	8.0	8.4	8.0	8.1
Claude-3.7	7.85 <sub>±0.110</sub>	7.9	7.8	7.8	7.8	7.7	7.9	8.0	8.1	7.9	8.6	7.9	8.3	8.0	8.1
Qwen-Max	7.16 <sub>±0.041</sub>	7.2	7.1	7.1	6.9	7.0	7.3	7.4	7.5	7.2	8.3	7.3	7.8	7.2	7.5
o1-Preview	6.89 <sub>±0.039</sub>	6.8	7.0	6.9	6.8	6.7	7.0	7.1	7.2	6.9	8.0	7.0	7.5	7.1	7.3
GPT-4o	6.81 <sub>±0.028</sub>	6.9	6.7	6.8	6.6	6.7	6.8	7.0	7.1	6.9	8.0	7.0	7.5	6.8	6.8
Gemini-1.5-Pro	6.21 <sub>±0.018</sub>	6.2	6.2	6.2	5.8	6.0	6.4	6.6	6.7	6.2	7.2	6.4	7.1	6.4	6.0
<b>Open-source LLMs</b>															
Deepseek-R1	7.70 <sub>±0.053</sub>	8.0	7.5	7.6	7.4	7.6	7.8	7.8	8.1	7.7	8.4	7.9	8.3	7.7	7.5
Deepseek-V3	6.35 <sub>±0.022</sub>	6.3	6.4	6.4	6.1	6.2	6.3	6.6	6.8	6.4	7.6	6.5	7.1	6.5	6.0
Mistral-Large-Instruct	6.00 <sub>±0.076</sub>	5.9	6.1	5.9	5.9	5.7	6.4	6.4	6.1	7.3	6.1	6.5	6.0	6.0	6.0
Qwen-2.5-BB-Instruct	6.40 <sub>±0.061</sub>	6.4	6.4	6.4	6.2	6.2	6.7	6.6	6.5	7.7	6.5	6.9	6.5	6.5	6.5
Qwen-2.5-BB-Instruct	5.64 <sub>±0.039</sub>	5.5	5.8	5.9	5.6	5.6	5.1	5.7	5.7	7.0	5.7	6.1	5.6	5.6	5.6
Llama-3.3-70B	5.05 <sub>±0.011</sub>	4.5	5.5	5.1	4.9	4.8	4.8	5.3	5.6	5.0	5.0	5.1	5.9	5.1	5.0
Llama-3.1-8B-Instruct	4.42 <sub>±0.004</sub>	3.7	5.0	4.1	4.4	4.0	4.1	4.7	5.0	4.4	4.4	4.5	5.3	4.4	4.3
<b>Capability-enhanced LLMs</b>															
Suri	3.20 <sub>±0.042</sub>	2.5	3.8	3.6	3.5	3.0	2.5	3.2	3.6	3.2	3.7	3.1	3.2	3.0	3.0
LongWriter	6.27 <sub>±0.081</sub>	6.2	6.4	6.4	6.3	6.3	6.0	6.5	6.0	6.3	7.4	6.3	6.7	6.3	6.8
Qwen-2.5-BB-filtered	7.44 <sub>±0.058</sub>	7.7	7.2	7.4	7.2	7.5	7.3	7.7	7.7	7.5	8.4	7.6	8.1	7.4	7.2
Llama-3.1-8B-filtered	7.39 <sub>±0.045</sub>	7.5	7.3	7.4	7.2	7.3	7.3	7.5	7.8	7.4	8.3	7.5	8.0	7.4	7.1

## EVALUATION FRAMEWORK

### ■ Query-Dependent Evaluation Framework



### Phase 1: Dynamic Criteria Generation

LLM generates 5 criteria per query with name