

WritingBench: A Comprehensive Benchmark for Generative Writing

Yuning Wu¹, Jiahao Mei^{1,3}, Ming Yan¹, Chenliang Li¹, Shaopeng Lai¹, Yuran Ren², Zijia Wang², Ji Zhang¹, Mengyue Wu³, Qin Jin², Fei Huang¹

¹ Alibaba Group ² Renmin University of China ³ Shanghai Jiao Tong University



OVERVIEW

■ Introduction of WritingBench

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

Example of a WritingBench Query

I'm a video blogger specializing in film and TV show reviews. Please mimic the language style of my past commentary videos to write a video script for the 2012 version of "Les Misérables." Please format it according to standard video script conventions. I need to insert an ad for skincare products into the video, so an appropriate spot. The total duration should be around 30 minutes, and the ad should be less than 3 minutes.

Requirement Types

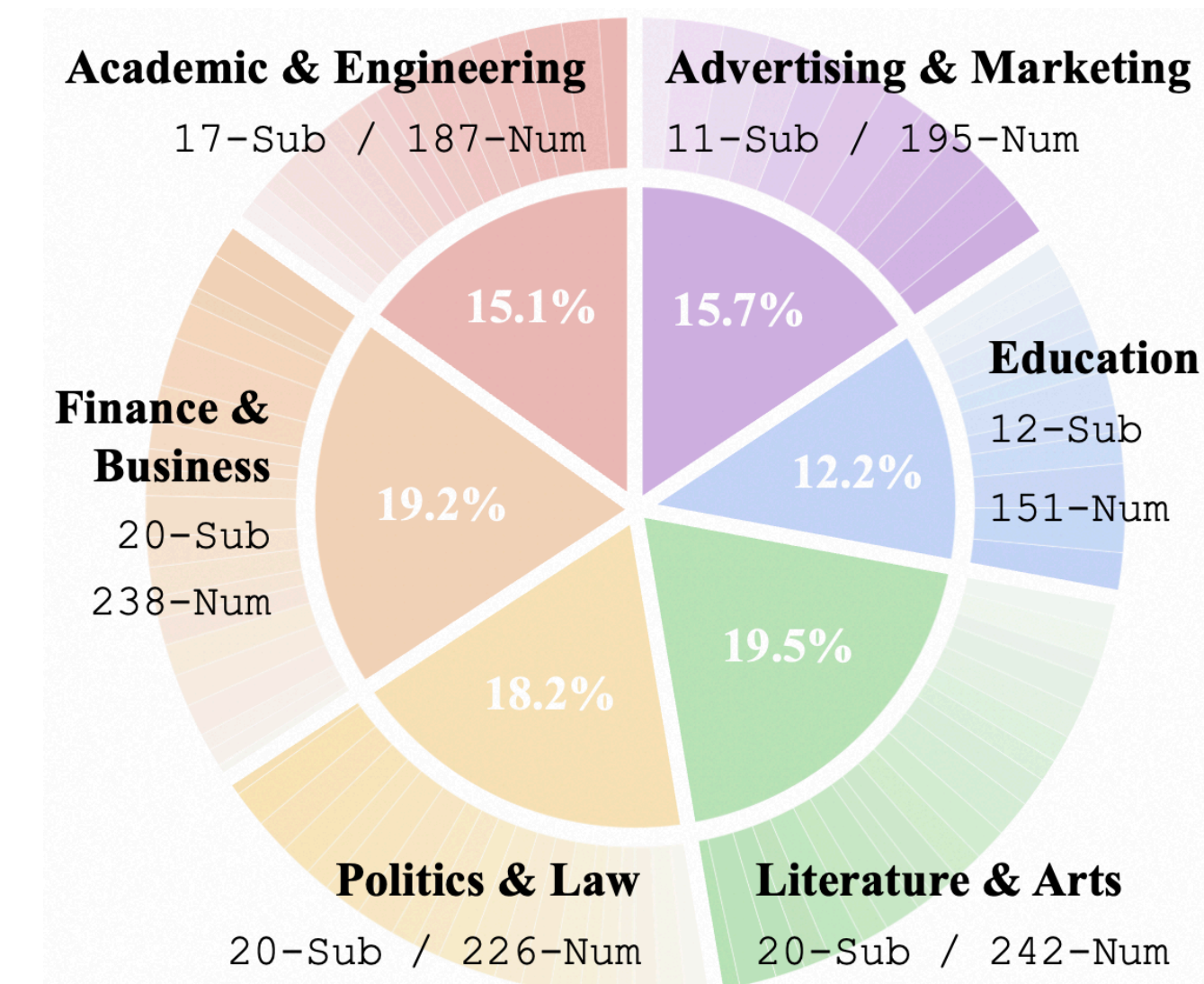
- Personalization
- Stylistic Adjustments
- Format Specifications
- Content Specificity
- Length Constraints

Materials:

- {Past film and TV show review script}
- {Introduction of the 2012 version of "Les Misérables"}
- {Skincare product introduction}

- 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
Domain			
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
Requirement			
Style	395	1,404	18,197
Format	342	1,591	18,197
Length	214	1,226	14,097
Length			
<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

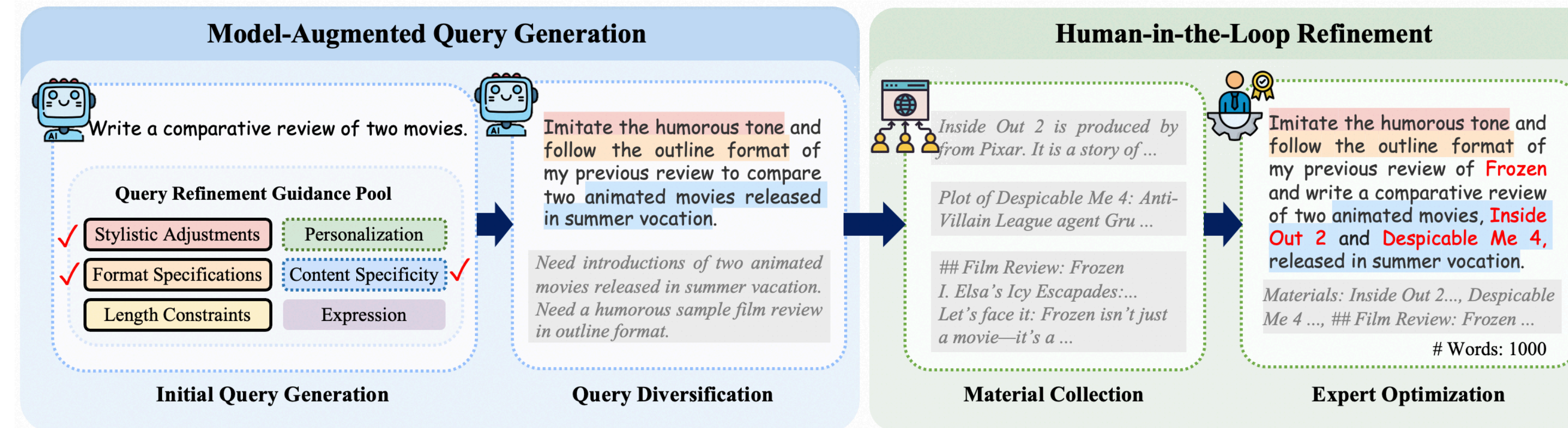
Benchmark	Num	Domains		Requirement			Input Token		Free Query-Form	Diverse Material-Source
		Primary	Secondary	Style	Format	Length	Avg	Max		
EQ-Bench	241	1	/	✗	✗	✗	130	213	✗	/
LongBench-Write	120	7	/	✗	✗	✓	87	684	✓	/
HelloBench	647	5	38	✗	✗	✓	1,210	7,766	✗	✗
WritingBench	1,000	6	100	✓	✓	✓	1,699	19,361	✓	✓



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

BENCHMARK CONSTRUCTION

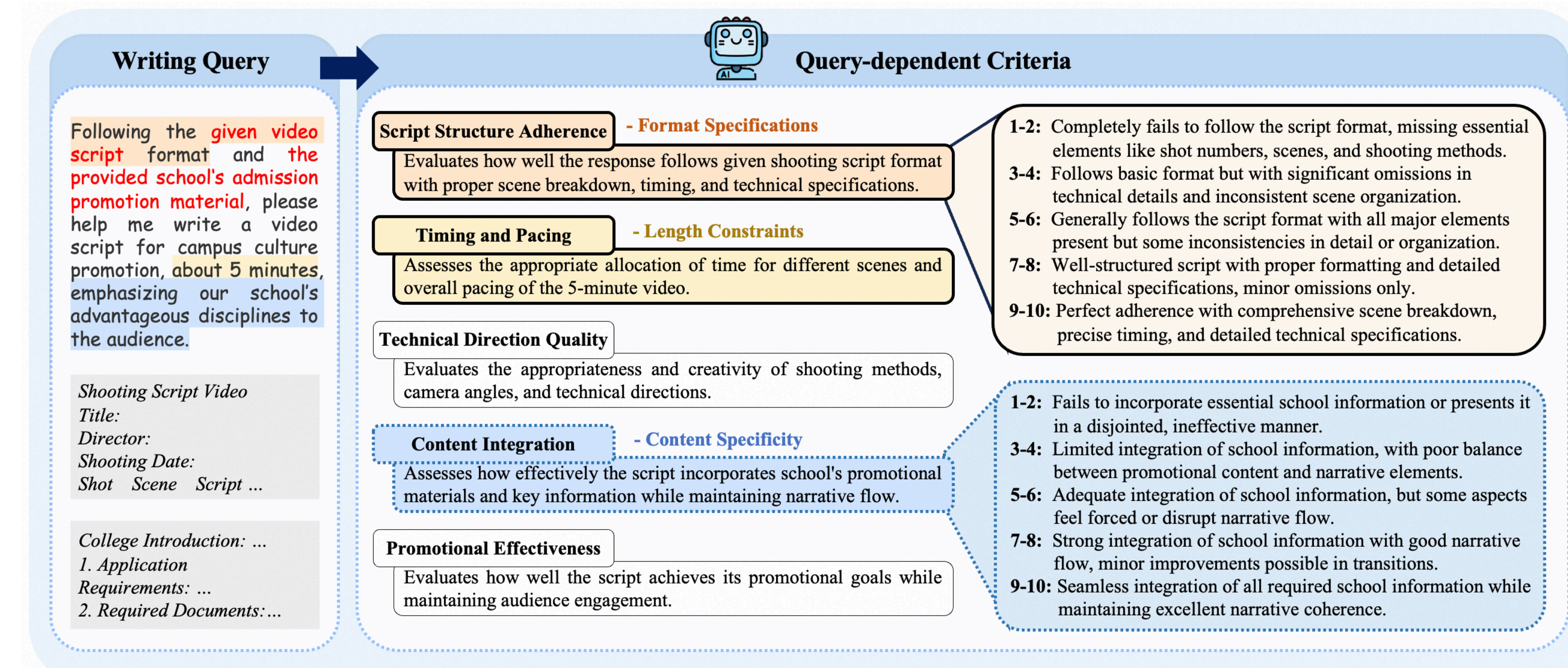
■ Human-AI Collaborative Construction Pipeline



- **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.

EVALUATION FRAMEWORK

■ Query-Dependent Evaluation Framework



- **Phase 1: Dynamic Criteria Generation**
LLM generates 5 criteria per query with name, description, and rubrics.
- **Phase 2: Rubric-based Scoring**
Evaluators score each criterion on a 10-point scale with justification.

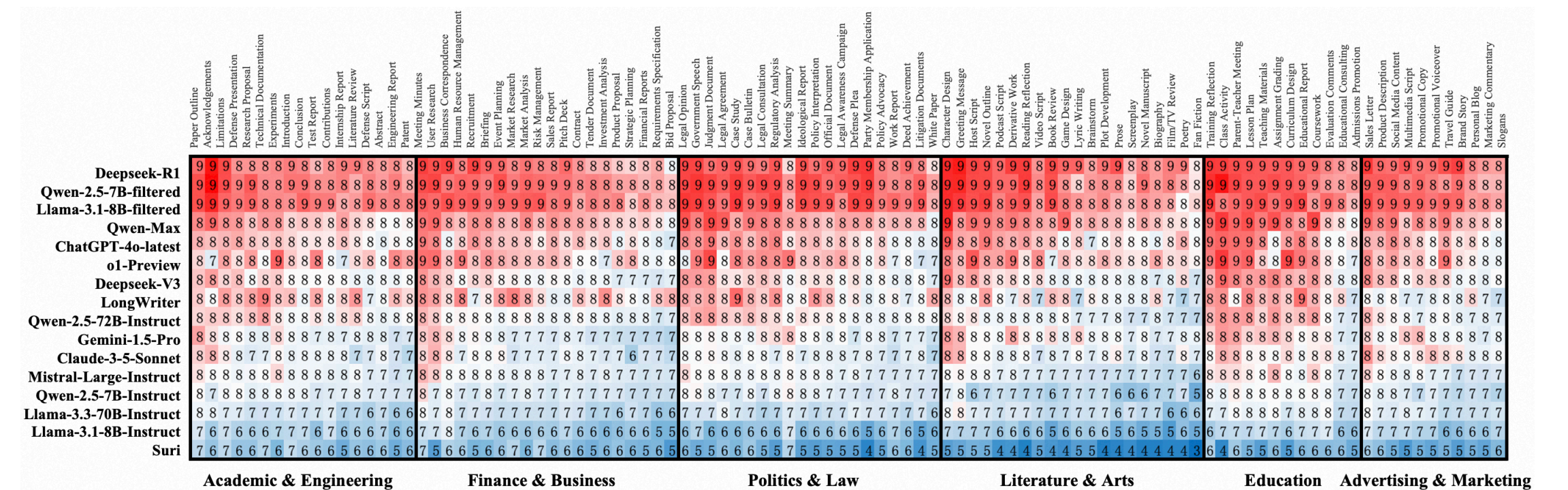
EXPERIMENT

■ 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	
Proprietary LLMs																
Claude-3.7-thinking	7.91 \pm 0.111	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 \pm 0.110	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 \pm 0.041	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 \pm 0.039	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 \pm 0.028	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 \pm 0.018	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	
Open-source LLMs																
Deepseek-R1	7.70 \pm 0.053	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 \pm 0.022	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	6.4	
Mistral-Large-Instruct	6.00 \pm 0.076	5.9	6.1	6.2	5.9	5.9	5.7	6.4	6.4	6.1	7.3	6.1	6.5	6.0	6.0	
Qwen-2.5-72B-Instruct	6.40 \pm 0.061	6.4	6.4	6.6	6.2	6.4	6.2	6.7	6.6	6.5	7.7	6.5	6.9	6.5	6.5	
Qwen-2.5-7B-Instruct	5.64 \pm 0.083	5.5	5.8	5.9	5.6	5.6	5.1	6.1	5.9	5.7	7.0	5.7	6.1	5.6	5.6	
Llama-3.3-70B-Instruct	5.05 \pm 0.011	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 \pm 0.004	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	
Capability-enhanced LLMs																
Suri	3.20 \pm 0.042	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 \pm 0.081	6.2	6.4	6.4	6.4	6.3	6.0	6.5	6.0	6.3	7.4	6.3	6.7	6.3	6.8	
Qwen-2.5-7B-filtered	7.44 \pm 0.058	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 \pm 0.045	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	

■ Score Heatmap over 100 Subdomains



■ Human Preference Consistency

Evaluation Metric	Judge	Score
Static Global	GPT-4o	69%
Static Domain-Specific	GPT-4o	40%
Dynamic Query-Dependent	GPT-4o	79%
Static Global	Claude	67%
Static Domain-Specific	Claude	58%
Dynamic Query-Dependent	Critic	84%



Welcome discussion
Contact us via:

