Prompt Engineering Frameworks for Financial, Medical, and Legal Reviewers

#	Prompt Type	Explanation	Financial	Medical	Legal	Pros	Cons
1	Zero-shot	No examples; only instruction.	Summarize reports.	List diagnoses.	Explain clauses.	Fast, simple.	Inconsistent.
2	One-shot	One example guides output.	Categorize expenses.	Format radiology report.	Reformat summary.	Consistent output.	Overfits.
3	Few-shot	Several examples for pattern learning.	Fraud detection.	SOAP note creation.	Clause classification.	Reliable patterning.	Long prompts.
4	Chain-of-Thought	Step-by-step reasoning.	Analyze ratios.	Reason through symptoms.	Clause logic.	Improves logic.	Verbose.
5	Self-Consistency	Multiple reasoning paths for consensus.	Audit consistency check.	Diagnosis cross-check.	Case convergence.	Robust.	Computational cost.
6	ReAct	Reasoning + external tool use.	Query financial DB.	Retrieve PubMed data.	Search case law.	Accurate + explainable.	Requires setup.
7	Tree-of-Thought	Branch and evaluate reasoning paths.	Investment strategy.	Treatment path choice.	Legal defense options.	Creative solutions.	Heavy compute.
8	Generated Knowledge	Generate context first, then solve.	Firm profile + risk.	Disease summary.	Case context.	Rich background.	Possible hallucination.
9	RAG	Retrieve documents for grounding.	Use 10-K data.	Fetch clinical studies.	Retrieve laws.	Factual accuracy.	Complex pipeline.
10	Instruction	Direct structured commands.	Extract key metrics.	Summarize patient data.	Highlight obligations.	Predictable.	Rigid.
11	Contextual	Adds situational context.	Act as auditor.	Act as physician.	Act as compliance officer.	Domain relevance.	Potential bias.
12	Role	Assign persona to model.	CFO reports.	Doctor notes.	Paralegal summaries.	Authentic tone.	Reduced neutrality.
13	CoT (Explicit Steps)	Explicitly numbered steps.	Stepwise audits.	Stepwise evaluation.	Clause review.	Transparent.	Lengthy.
14	Multi-turn	Maintains dialogue context.	Clarify transactions.	Ask symptom details.	Jurisdiction check.	Interactive.	Topic drift.
15	Program-Aided	Code execution + reasoning.	Compute ratios.	Calculate BMI.	Parse CSVs.	Precise.	Needs coding env.
16	Least-to-Most	Decompose complex tasks.	Growth analysis.	Diagnosis reasoning.	Clause logic chain.	Improves reliability.	Slow.
17	Meta	Optimize prompts themselves.	Better forecasting.	Prompt for triage.	Clause extraction prompts.	Adaptive.	Confusing to model.
18	APE	Auto-evolve best prompts.	Optimize scoring.	Prompt refinement.	Auto-tagging.	Scalable.	Opaque logic.
19	Multimodal	Mix text + image inputs.	Chart analysis.	X-ray reading.	Scan review.	Versatile.	Needs multimodal model.
20	Contrastive	Compare perspectives.	Bullish vs bearish.	Treatment comparison.	Legal arguments.	Balanced view.	Complex input.