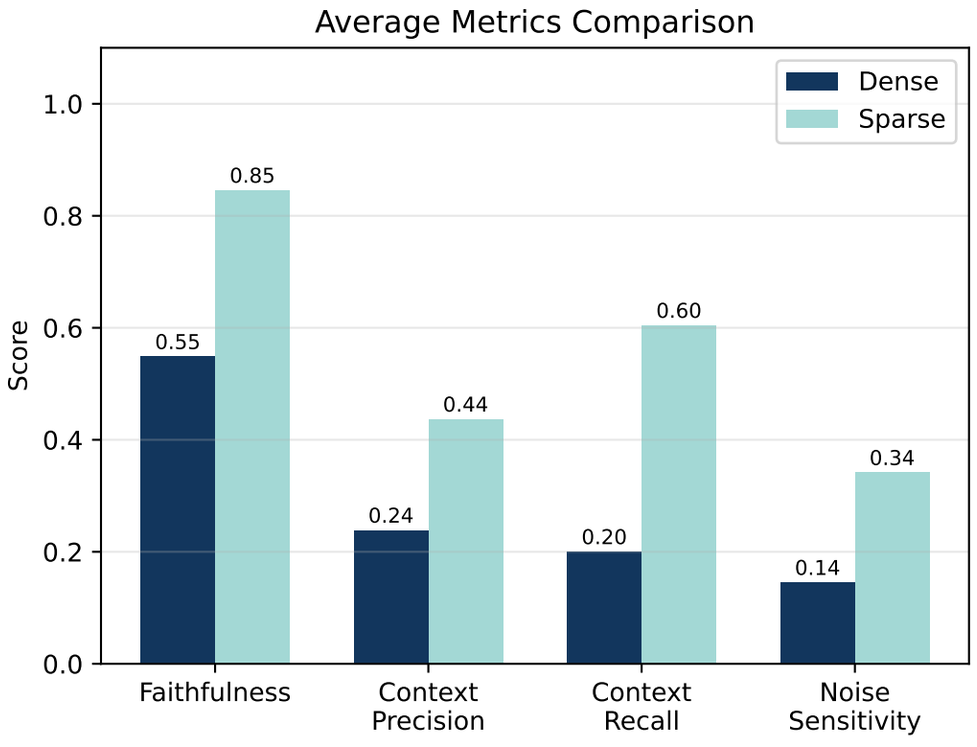
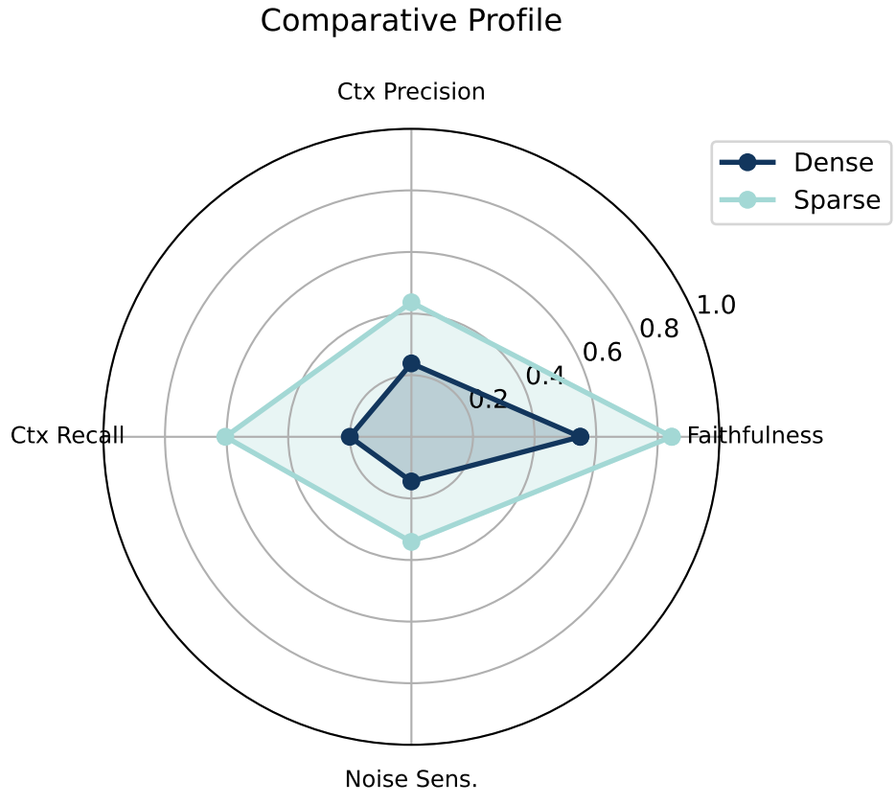
RAG Dense vs Sparse - Analysis Overview





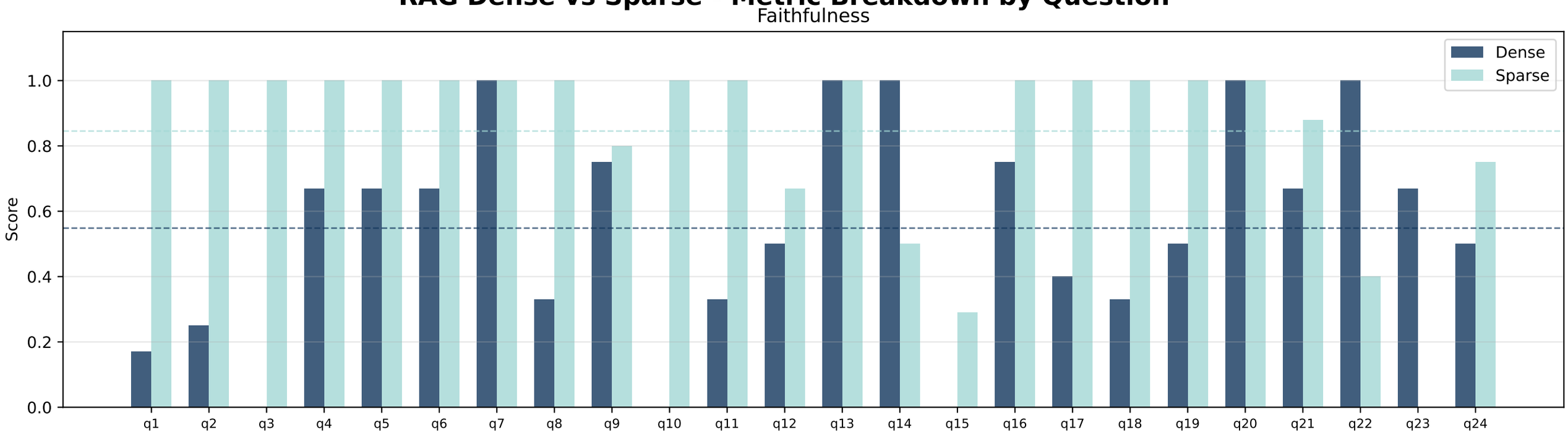
Average Metrics Summary

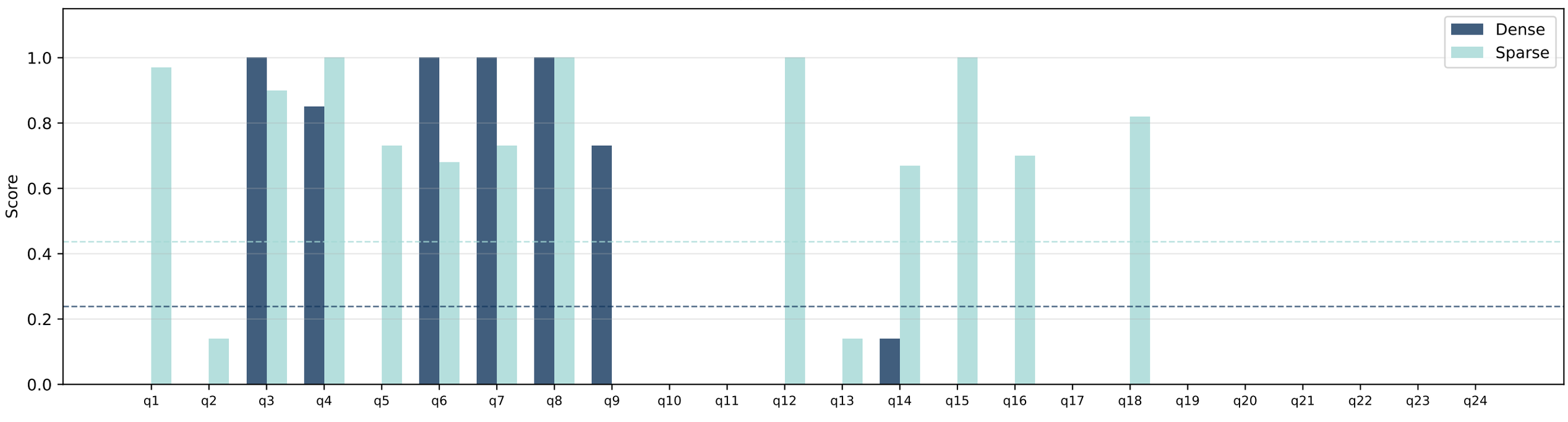
Metric	Dense	Sparse	Difference
Faithfulness	0.548	0.845	-0.297
Context Precision	0.238	0.437	-0.198
Context Recall	0.200	0.604	-0.404
Noise Sensitivity	0.145	0.341	-0.196

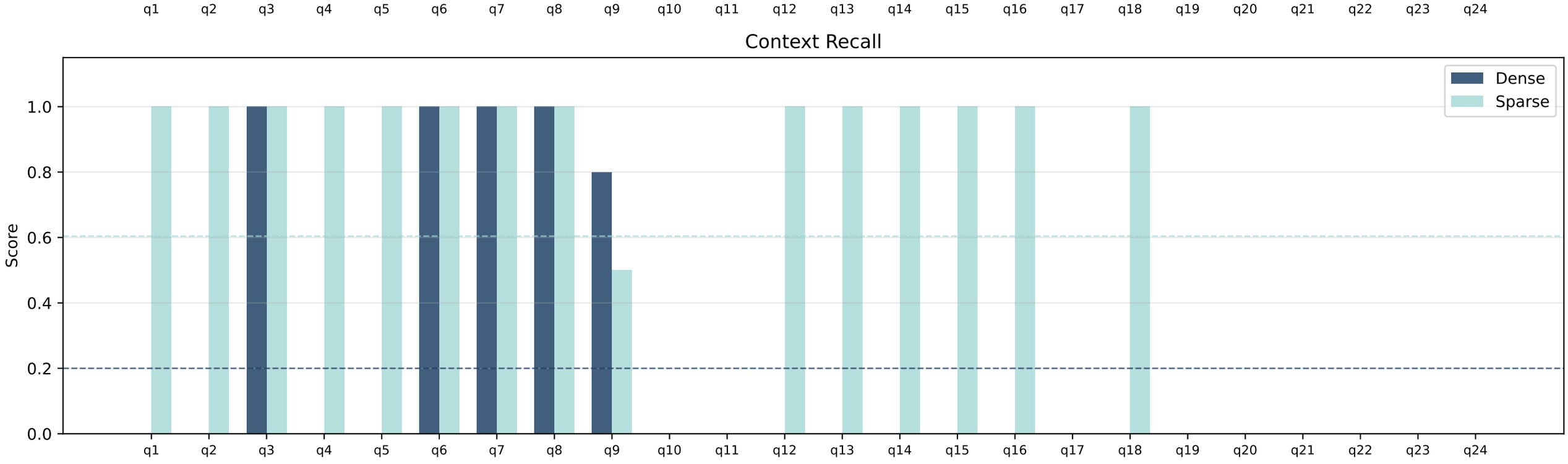
Descriptive Statistics

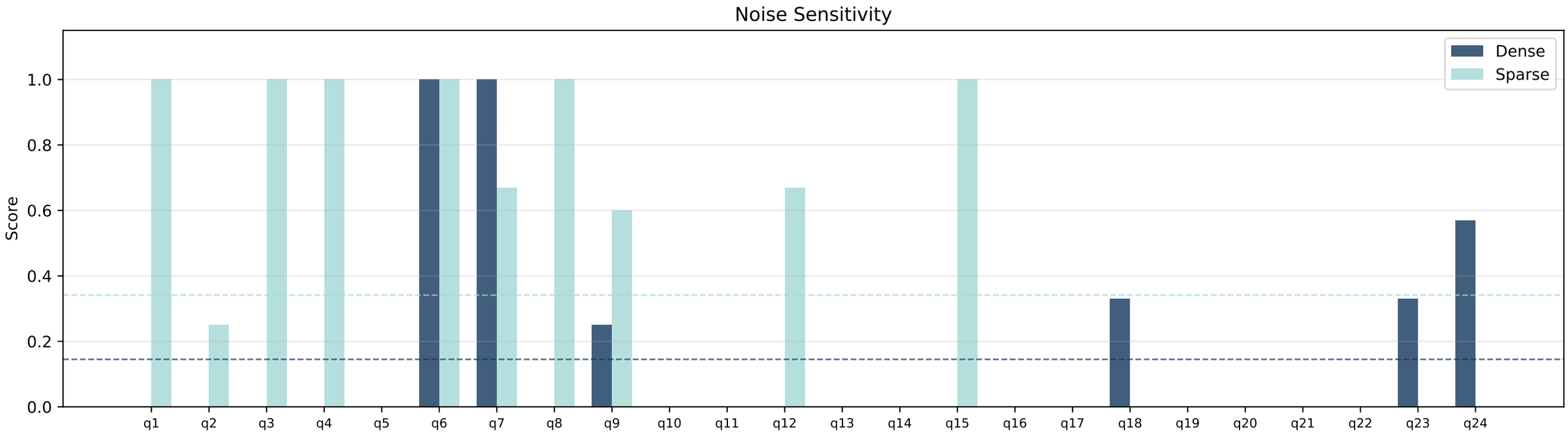
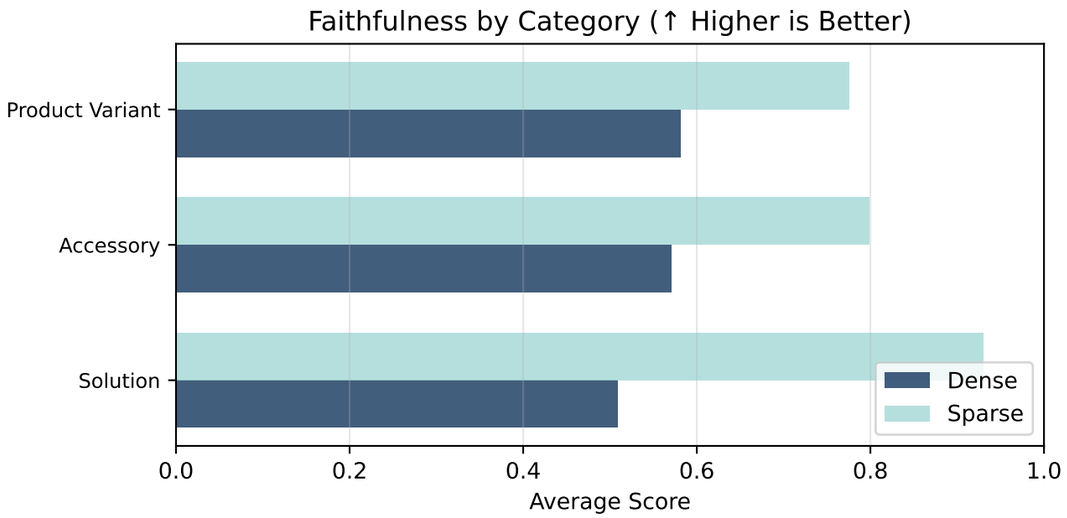
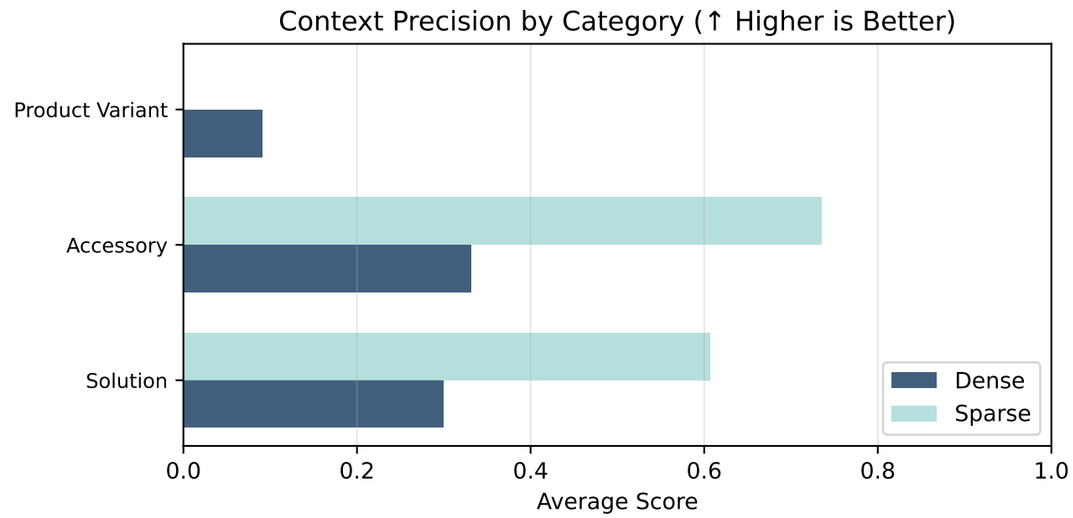
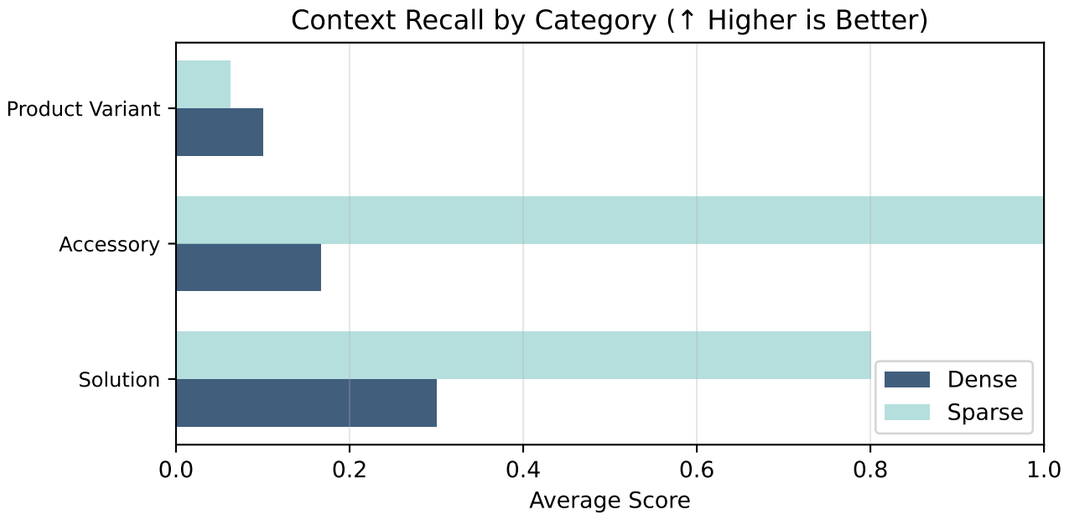
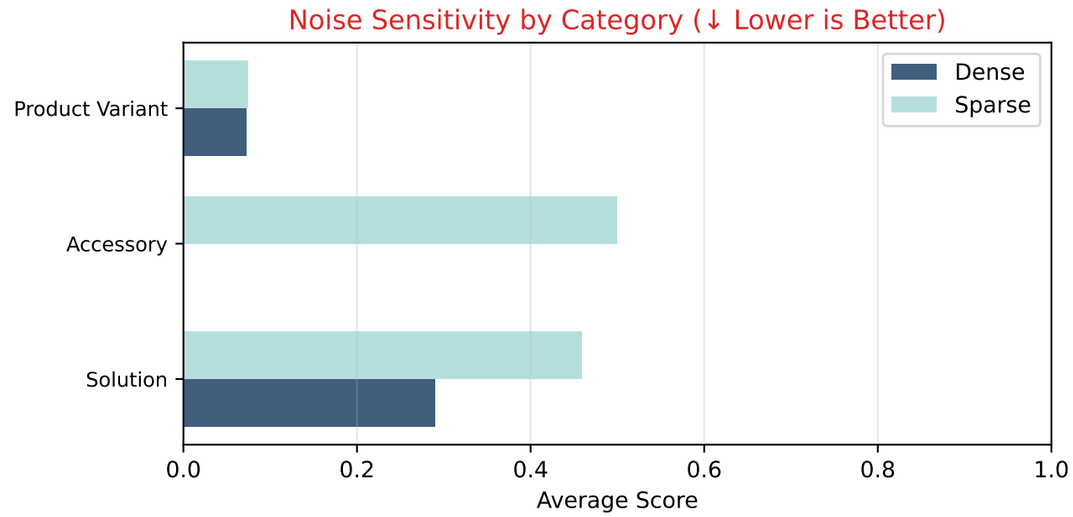
Metric	Dense μ	Dense σ	Sparse μ	Sparse σ	Δ (D-S)
Faithfulness	0.548	0.322	0.845	0.271	-0.297
Ctx Precision	0.238	0.404	0.437	0.426	-0.198
Ctx Recall	0.200	0.392	0.604	0.478	-0.404
Noise Sens.	0.145	0.296	0.341	0.434	-0.196

RAG Dense vs Sparse - Metric Breakdown by Question









RAG Dense vs Sparse - Performance by Question Category