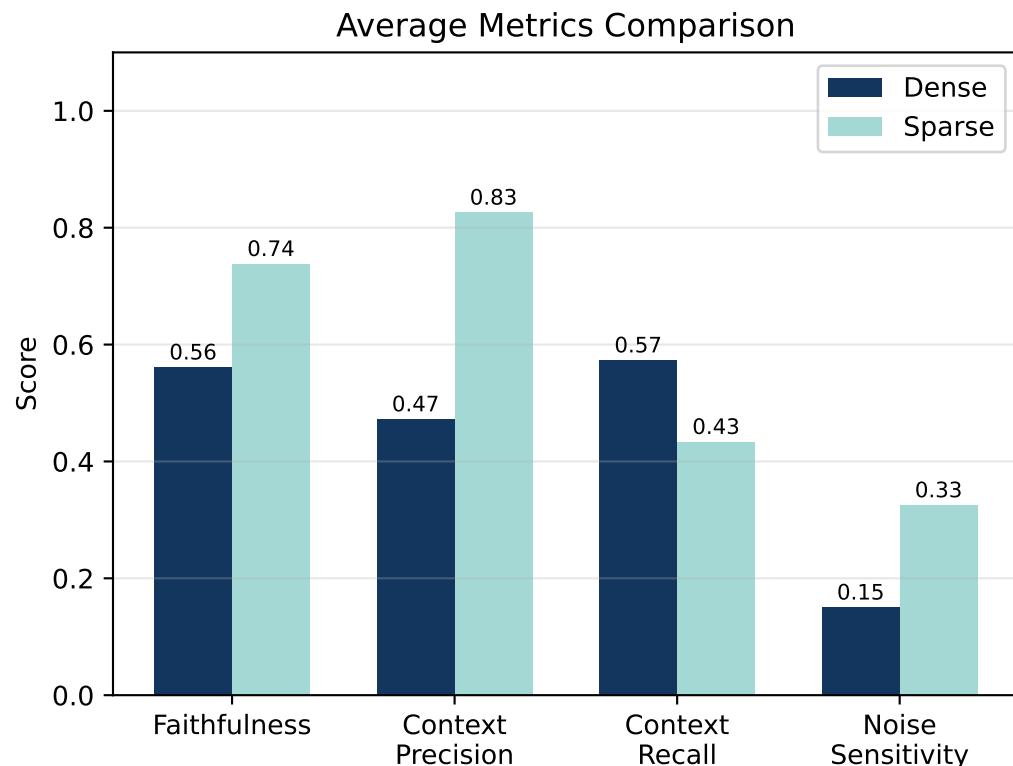
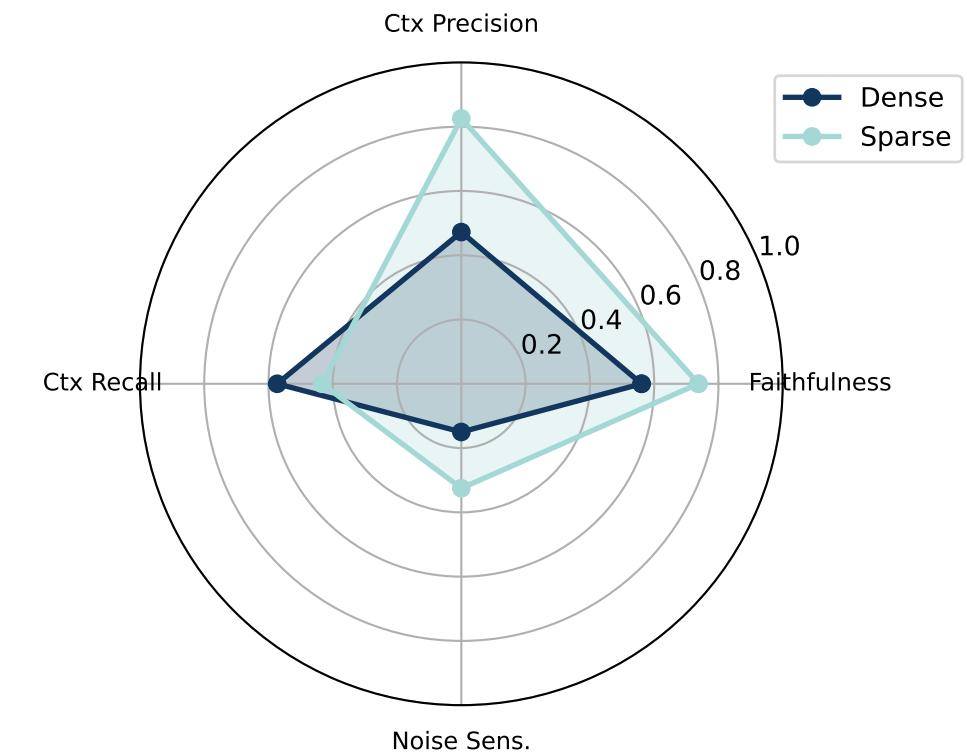


RAG Dense vs Sparse - Analysis Overview



Comparative Profile

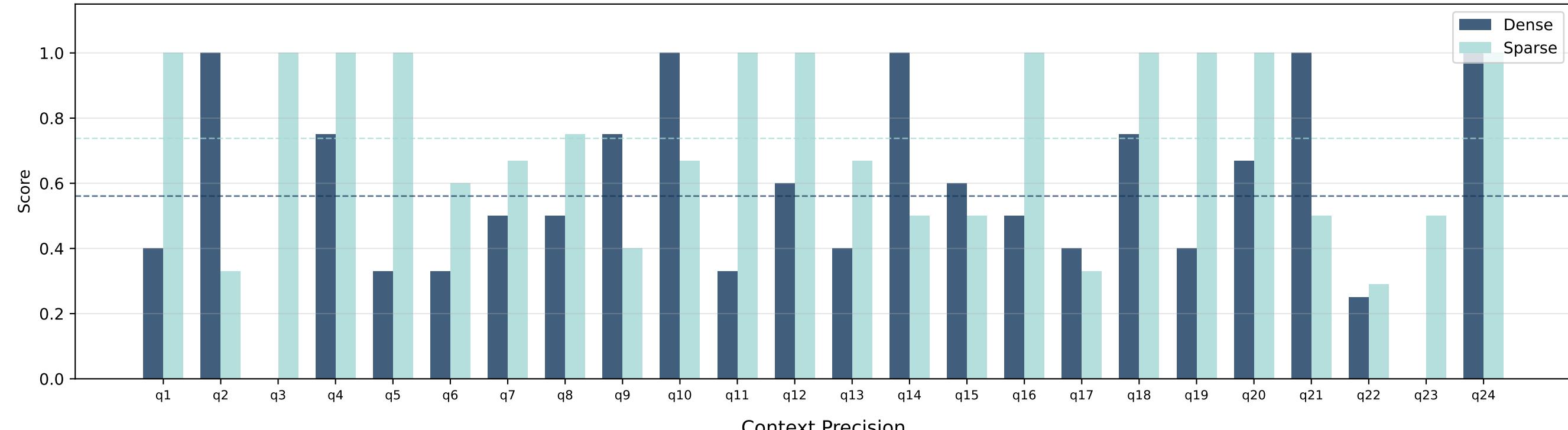


Descriptive Statistics

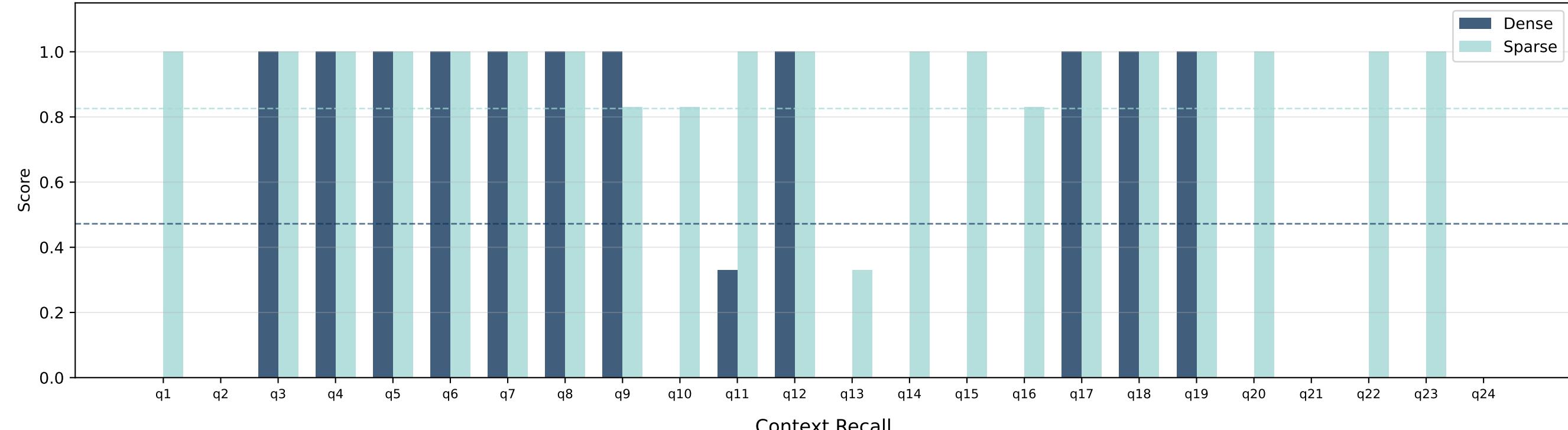
Metric	Dense μ	Dense σ	Sparse μ	Sparse σ	$\Delta (D-S)$
Faithfulness	0.561	0.295	0.738	0.263	-0.177
Ctx Precision	0.472	0.490	0.826	0.342	-0.354
Ctx Recall	0.573	0.371	0.433	0.389	0.140
Noise Sens.	0.150	0.233	0.325	0.349	-0.175

RAG Dense vs Sparse - Metric Breakdown by Question

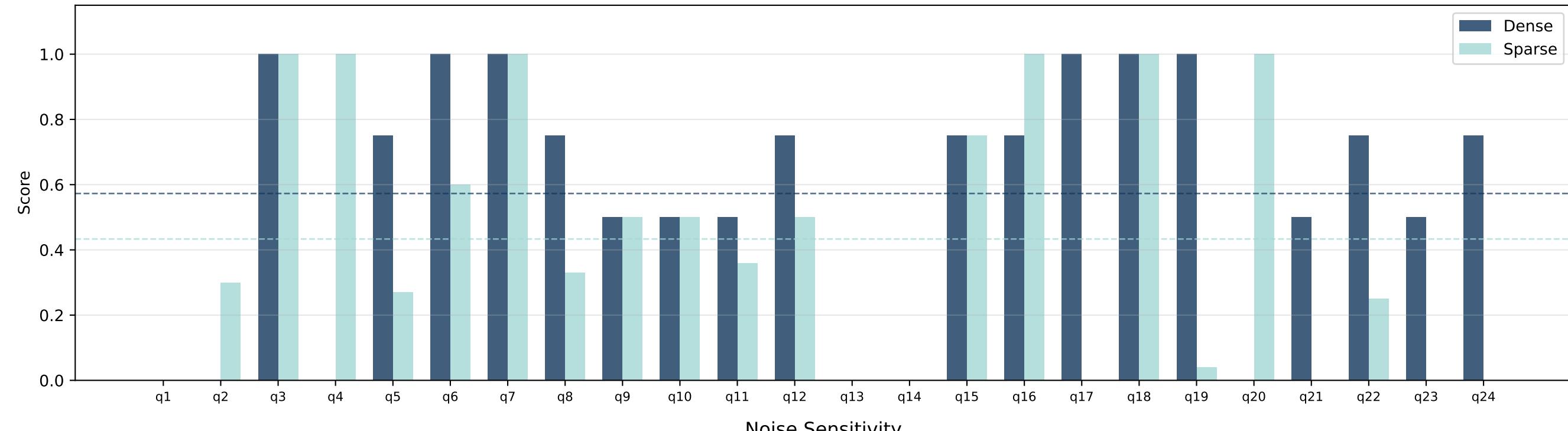
Faithfulness



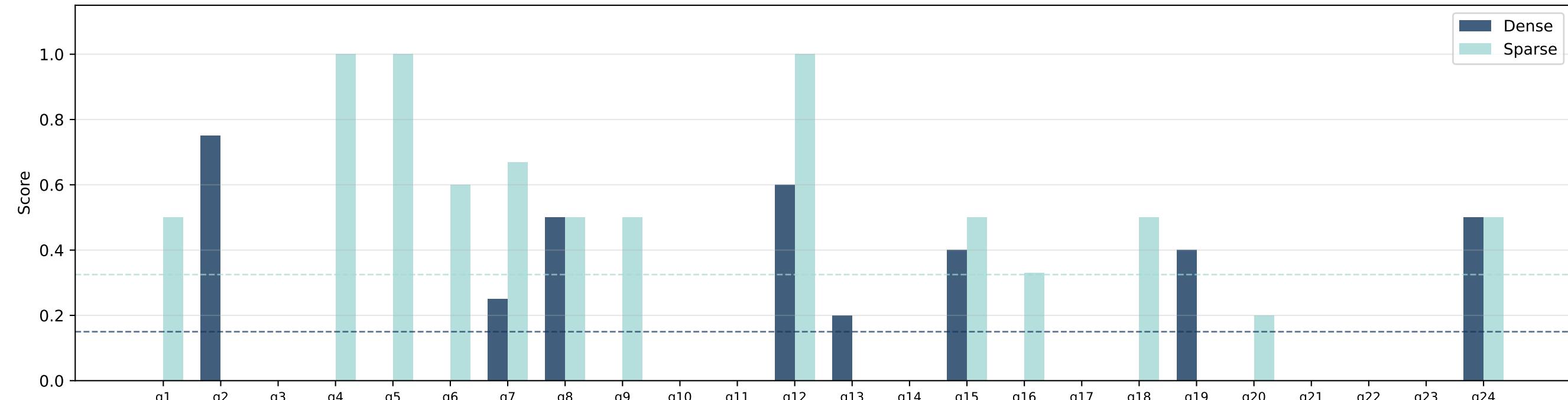
Context Precision



Context Recall



Noise Sensitivity



RAG Dense vs Sparse - Performance by Question Category

