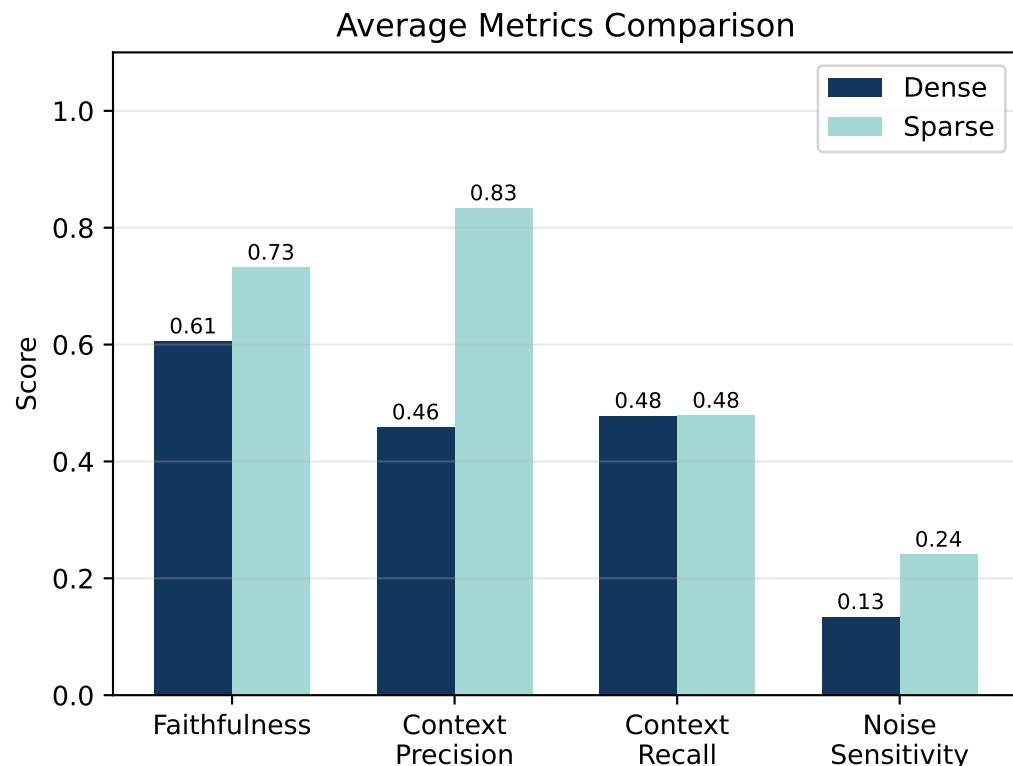
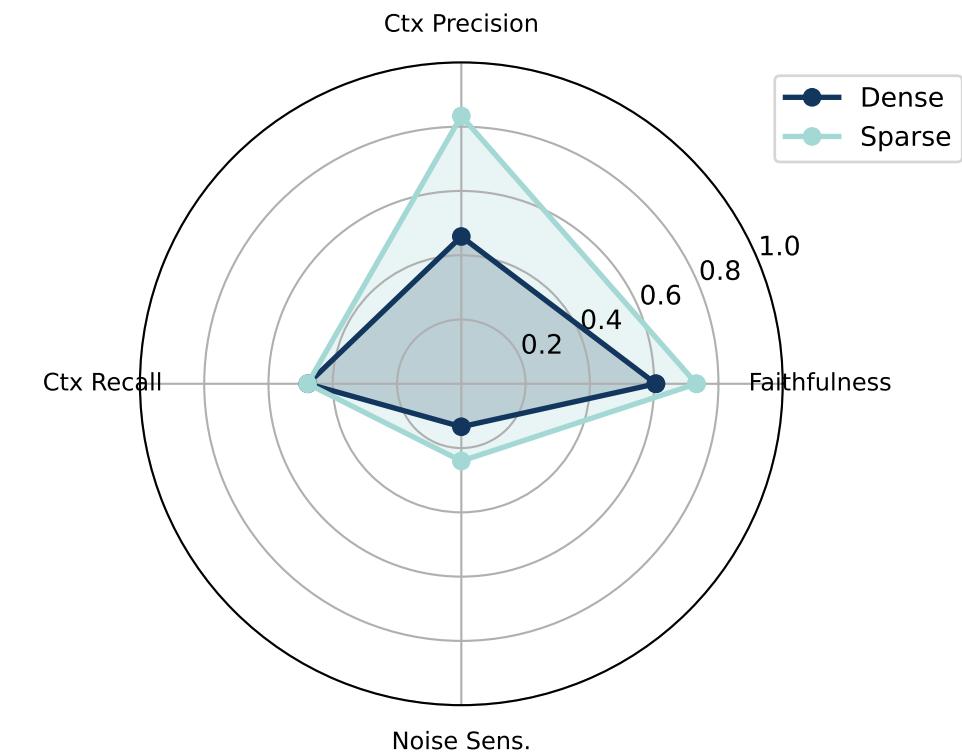


# RAG Dense vs Sparse - Analysis Overview



Comparative Profile

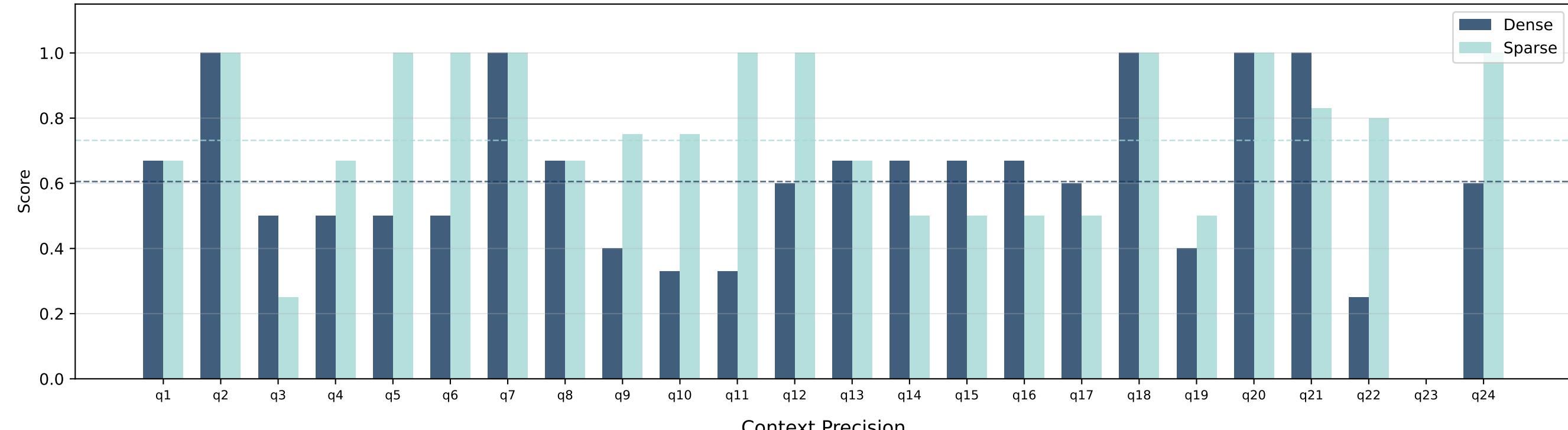


Descriptive Statistics

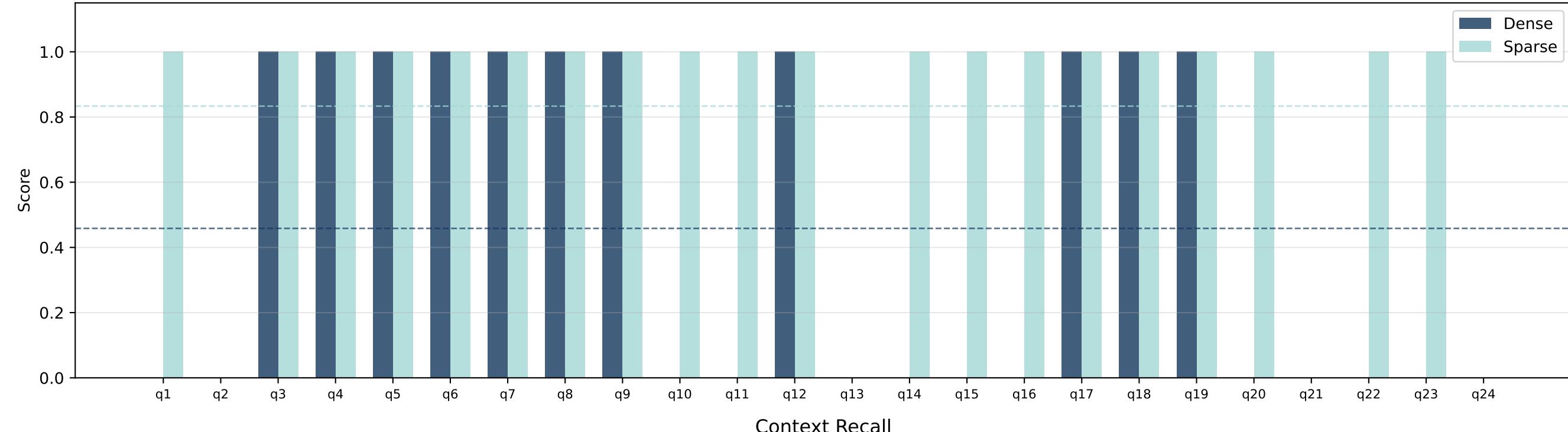
Metric	Dense $\mu$	Dense $\sigma$	Sparse $\mu$	Sparse $\sigma$	$\Delta (D-S)$
Faithfulness	0.605	0.256	0.732	0.267	-0.126
Ctx Precision	0.458	0.498	0.833	0.373	-0.375
Ctx Recall	0.478	0.397	0.478	0.348	-0.000
Noise Sens.	0.134	0.233	0.240	0.294	-0.107

## RAG Dense vs Sparse - Metric Breakdown by Question

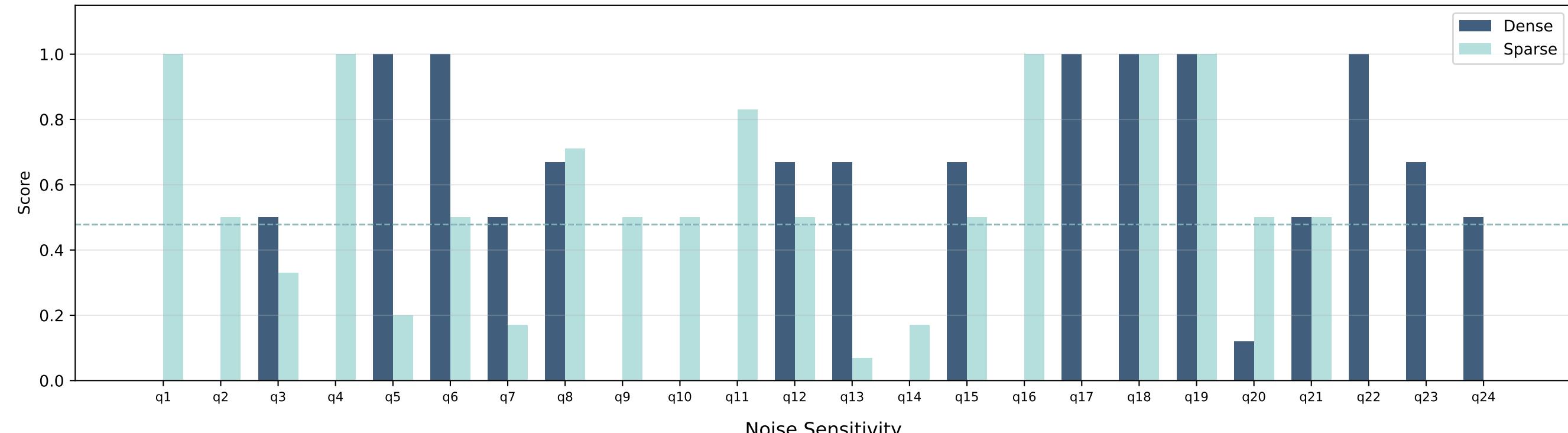
Faithfulness



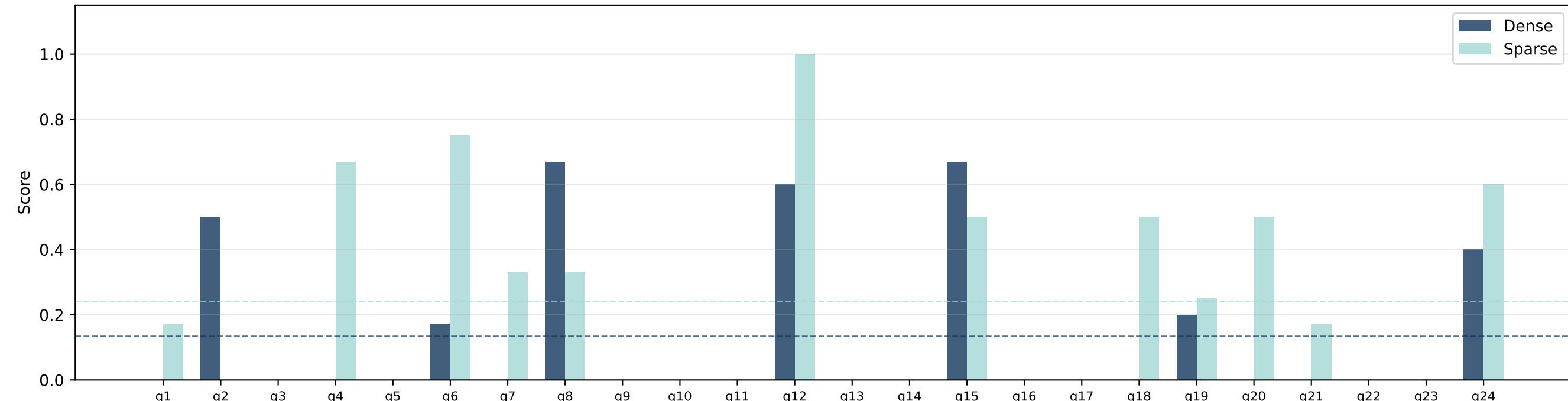
Context Precision



Context Recall



Noise Sensitivity



# RAG Dense vs Sparse - Performance by Question Category

