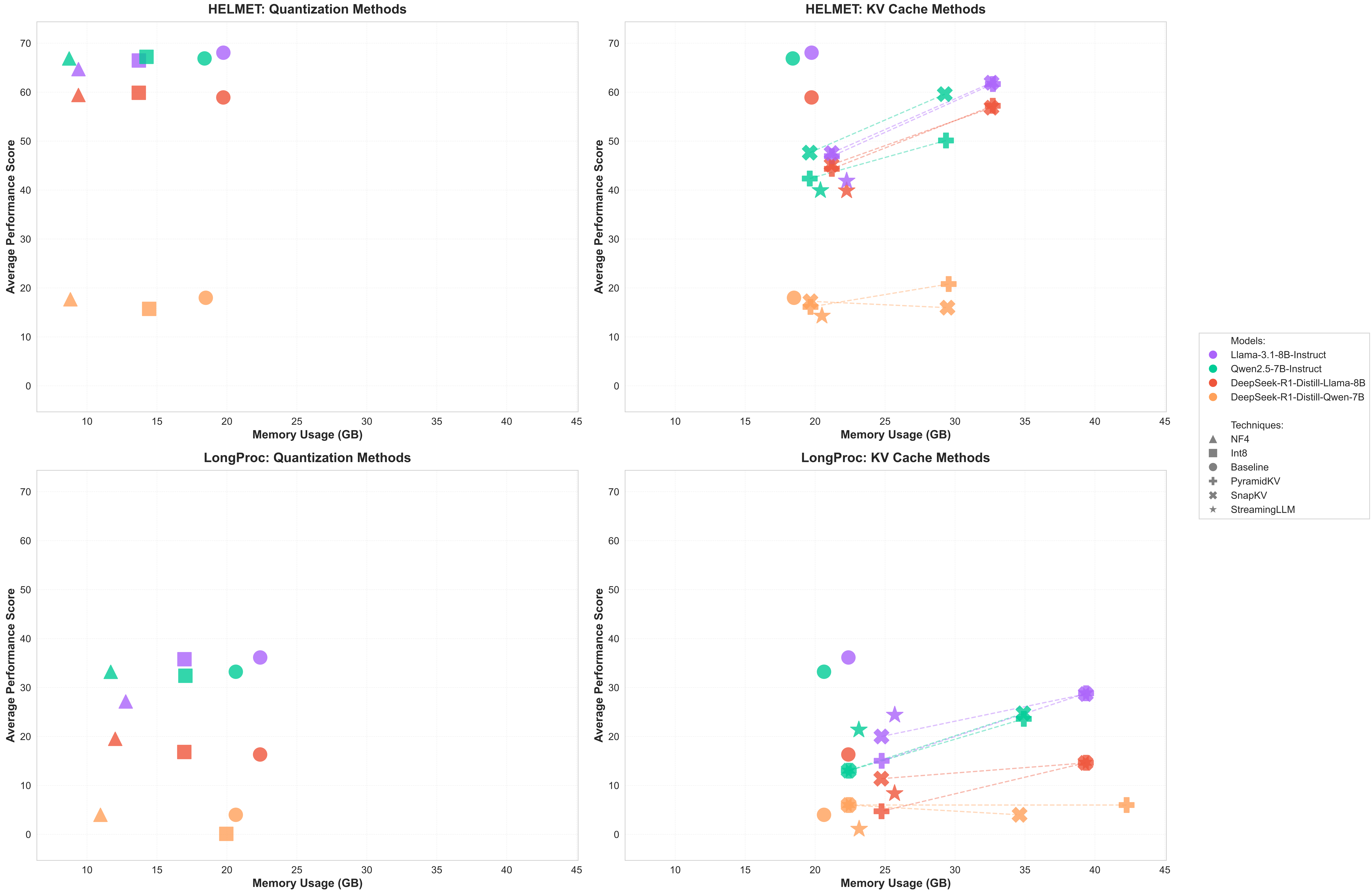
Model Comparison: Average Performance vs Memory Usage
HELMET (16K) and LongProc (2K) Benchmarks


HELMET: Quantization Methods
HELMET: KV Cache Methods
LongProc: Quantization Methods
LongProc: KV Cache Methods
Average Performance Score
Memory Usage (GB)
Models:
● Llama-3.1-8B-Instruct
● Qwen2.5-7B-Instruct
● DeepSeek-R1-Distill-Llama-8B
● DeepSeek-R1-Distill-Qwen-7B
Techniques:
▲ NF4
■ Int8
● Baseline
✚ PyramidKV
✖ SnapKV
★ StreamingLLM