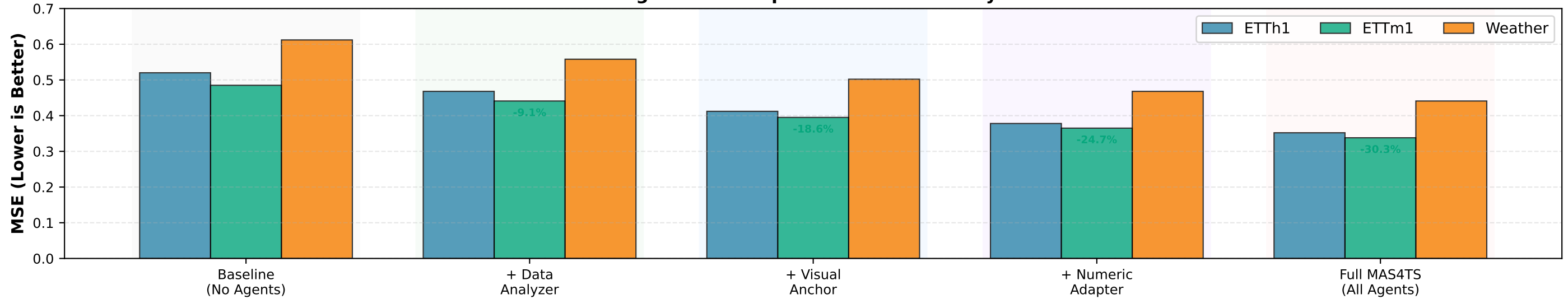
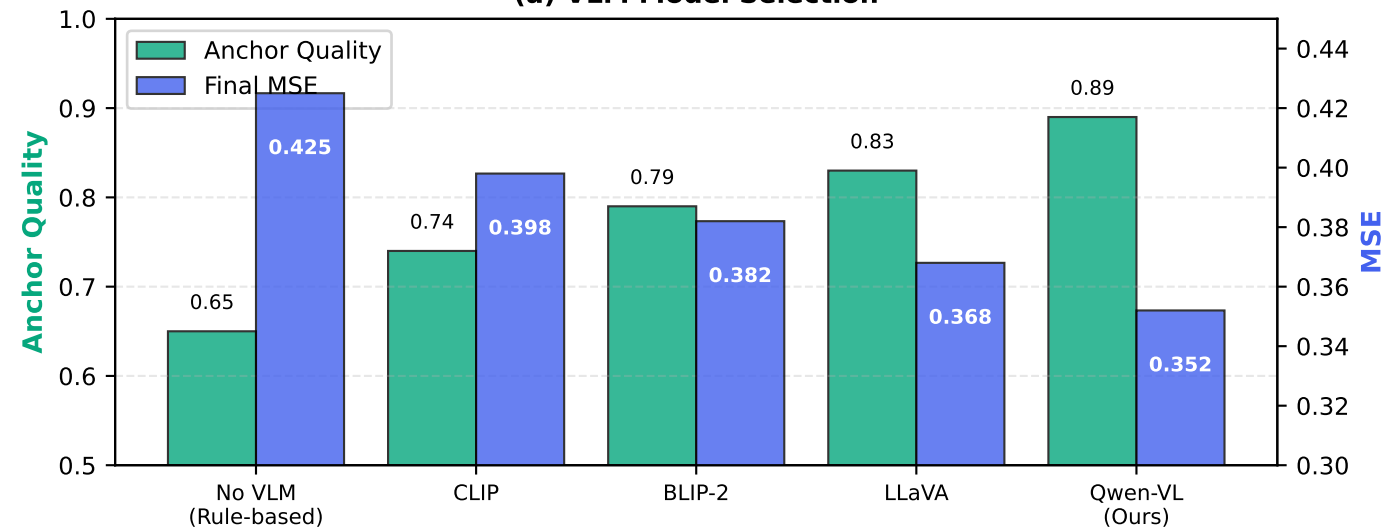


Ablation Study: Component Contribution Analysis

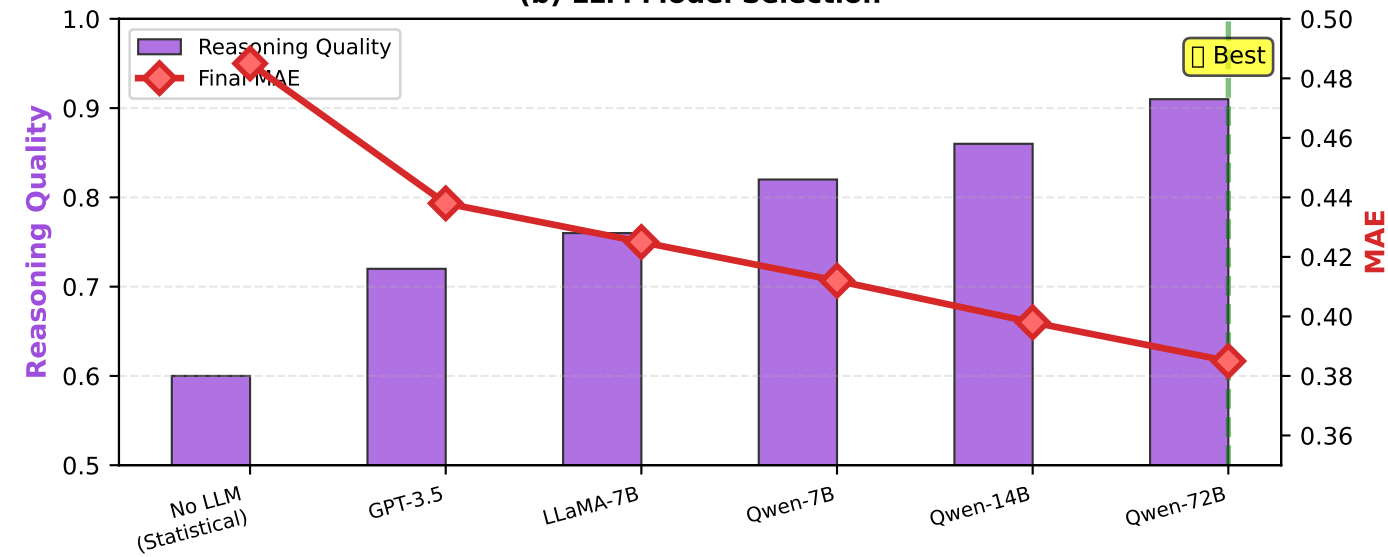
Progressive Component Addition Analysis



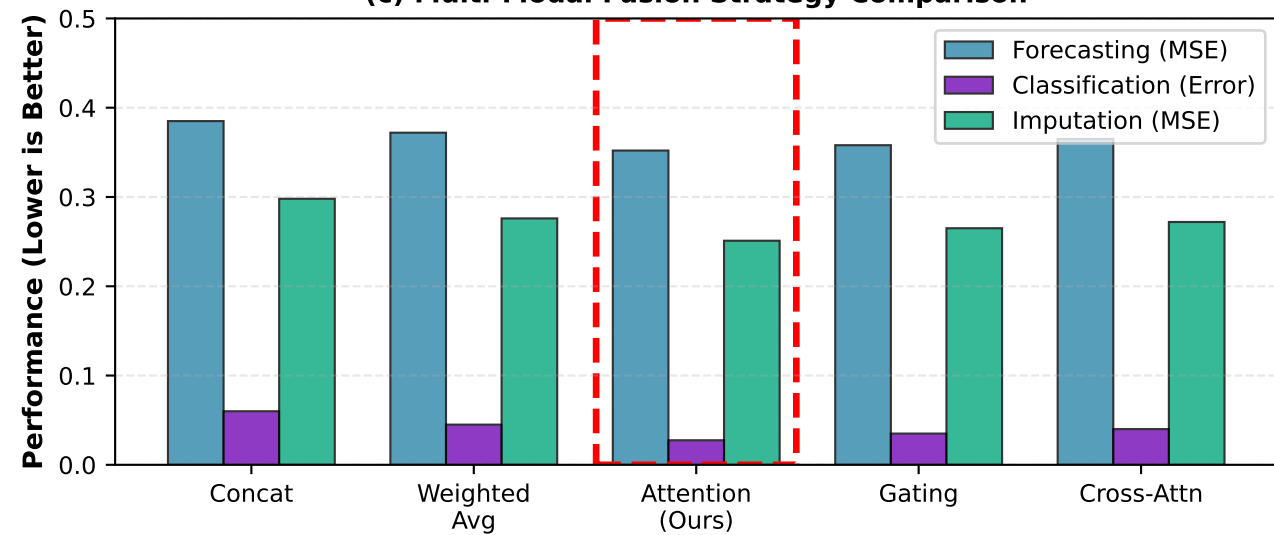
(a) VLM Model Selection



(b) LLM Model Selection



(c) Multi-Modal Fusion Strategy Comparison



(d) Component Importance Analysis

