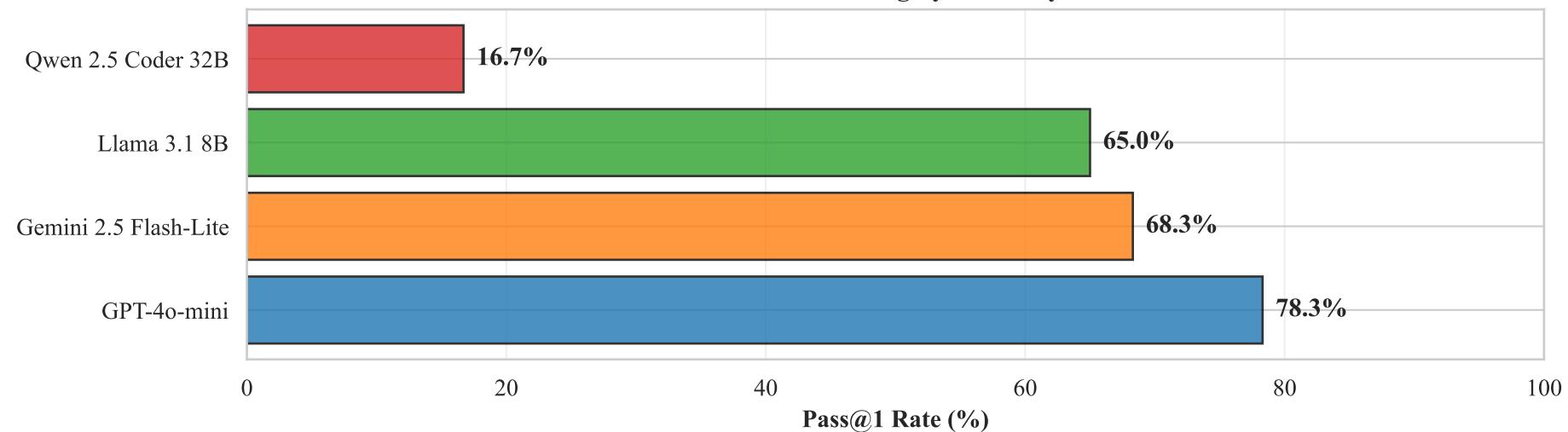
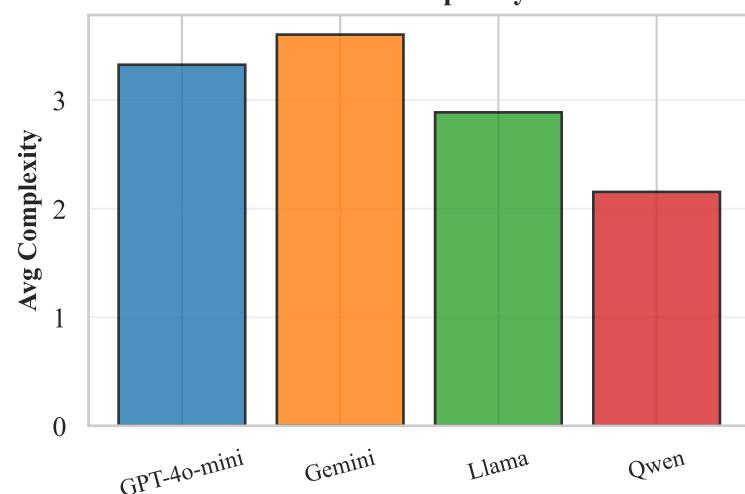


Comprehensive Analysis Dashboard

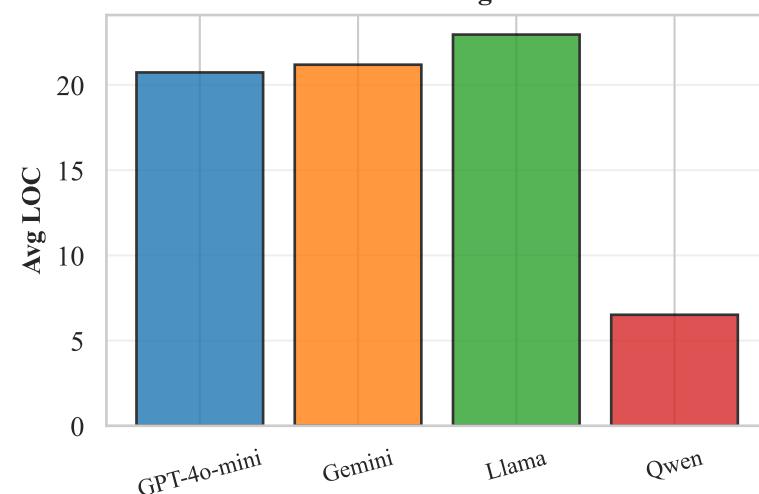
Model Ranking by Accuracy



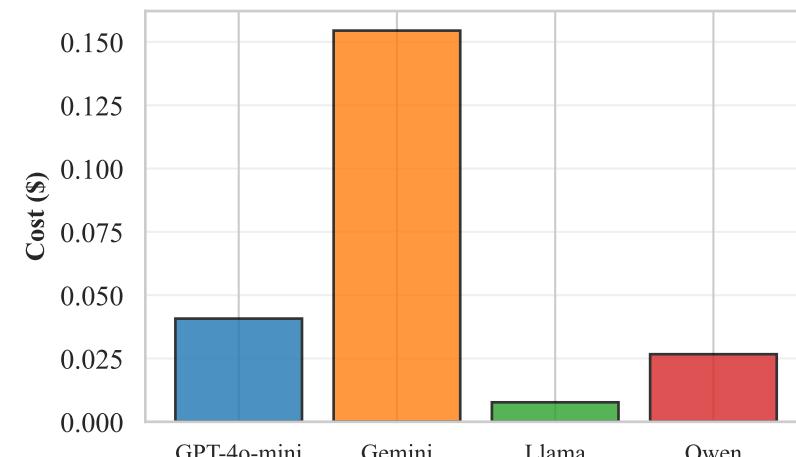
Code Complexity



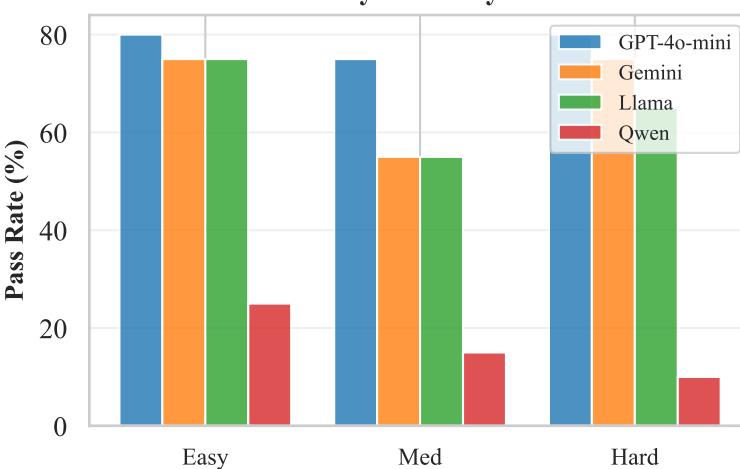
Code Length



Total Cost



By Difficulty



Statistical Significance (Mann-Whitney U with Bonferroni correction, $\alpha=0.05$):

Significant differences found:

- GPT vs QWEN: $p=9.05e-14$, Cohen's $d=1.906$ (grande)
- GEMINI vs QWEN: $p=2.93e-11$, Cohen's $d=1.612$ (grande)
- LLAMA vs QWEN: $p=8.44e-10$, Cohen's $d=1.376$ (grande)

No significant differences (3 pairs):

- GPT vs GEMINI: $p=0.131$
- GPT vs LLAMA: $p=0.032$
- GEMINI vs LLAMA: $p=0.463$