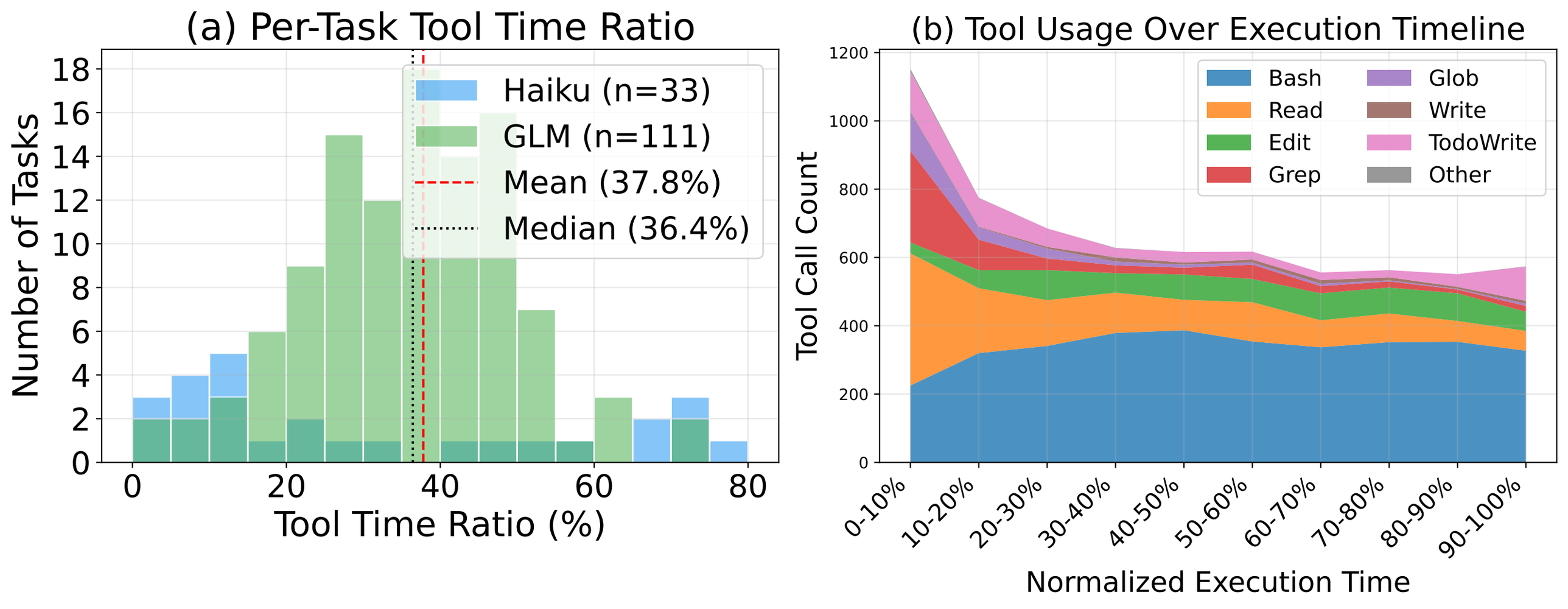
(a) Per-Task Tool Time Ratio
Number of Tasks
Tool Time Ratio (%)
Haiku (n=33)
GLM (n=111)
Mean (37.8%)
Median (36.4%)
0
2
4
6
8
10
12
14
16
18
0
20
40
60
80
(b) Tool Usage Over Execution Timeline
Tool Call Count
Normalized Execution Time
Bash
Read
Edit
Grep
Glob
Write
TodoWrite
Other
0
200
400
600
800
1000
1200
0-10%
10-20%
20-30%
30-40%
40-50%
50-60%
60-70%
70-80%
80-90%
90-100%