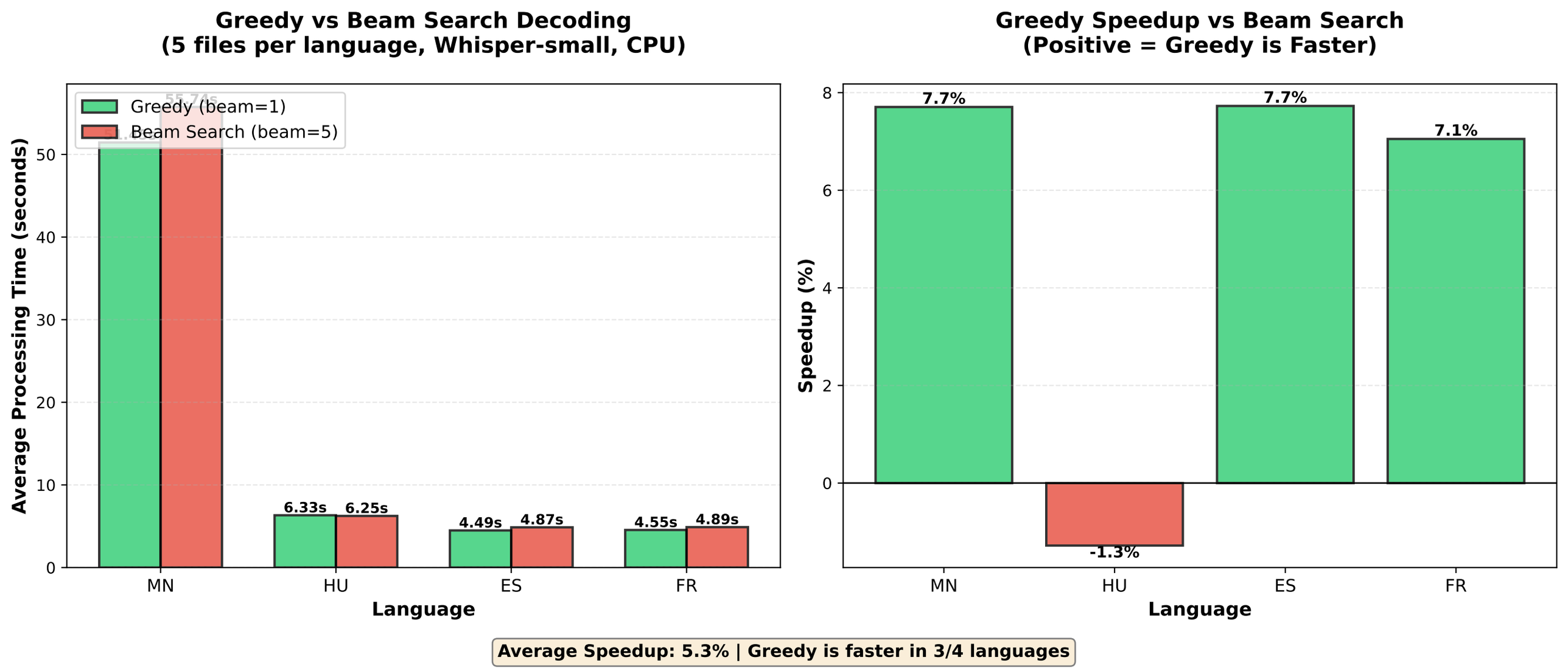
Greedy vs Beam Search Decoding
(5 files per language, Whisper-small, CPU)
Greedy (beam=1)
Beam Search (beam=5)
Average Processing Time (seconds)
0
10
20
30
40
50
55.7s
6.33s
6.25s
4.49s
4.87s
4.55s
4.89s
MN
HU
ES
FR
Language
Greedy Speedup vs Beam Search
(Positive = Greedy is Faster)
Speedup (%)
0
2
4
6
8
7.7%
-1.3%
7.7%
7.1%
MN
HU
ES
FR
Language
Average Speedup: 5.3% | Greedy is faster in 3/4 languages