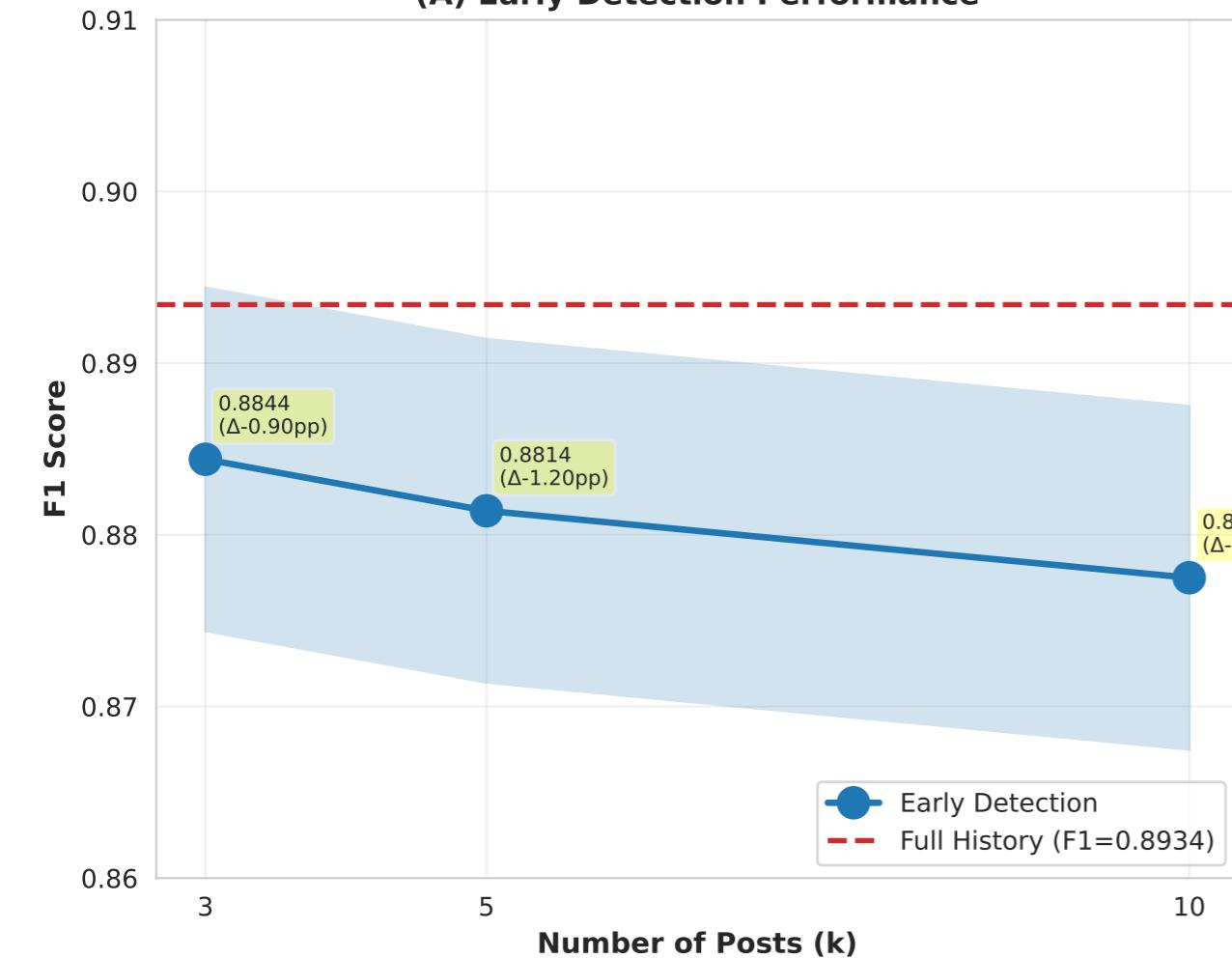
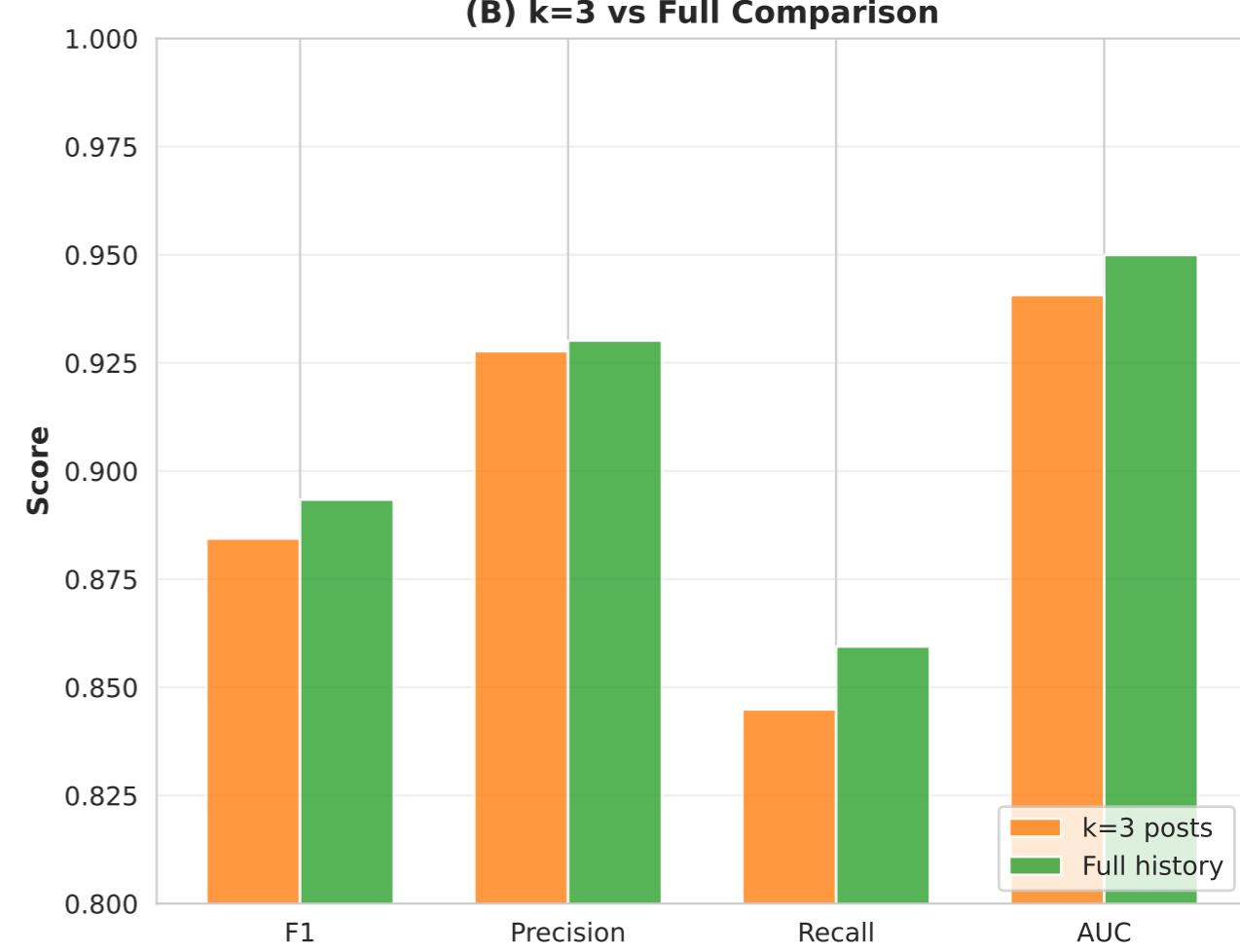


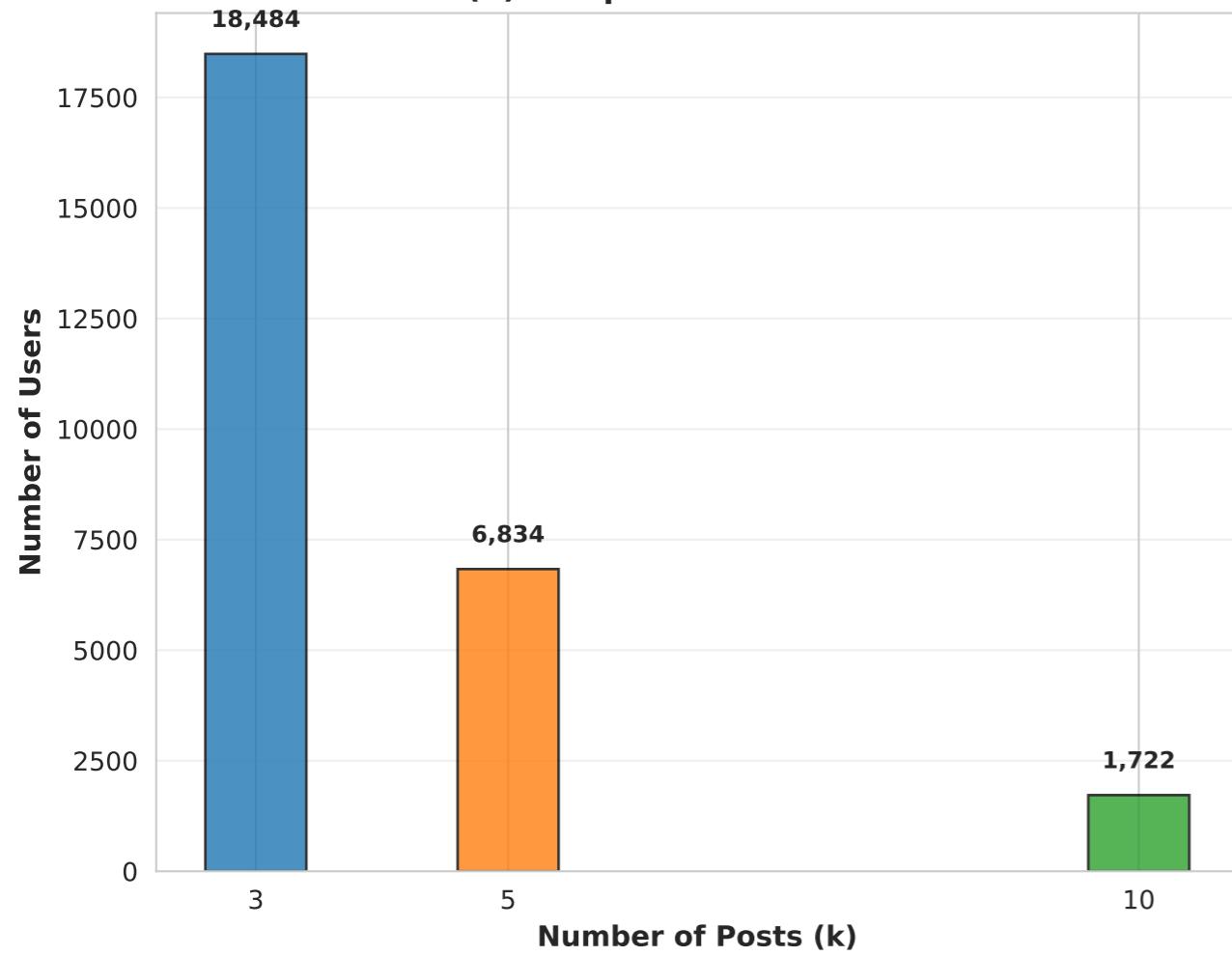
(A) Early Detection Performance



(B) k=3 vs Full Comparison



(C) Sample Sizes at Each k



McNemar's Test (k=3 vs Full)

Tested on 6,088 users with ≥ 3 posts

Contingency Table:

Both correct:	5,532 (90.9%)
Both wrong:	428 (7.0%)
k=3 right, full wrong:	52 (0.9%)
k=3 wrong, full right:	76 (1.2%)

McNemar's $\chi^2 = 4.13$
p-value = 0.042 (significant)

Interpretation:

- Small but significant difference
- Full model: 24 more correct (0.4%)
- k=3 performs 0.90pp below full
- Acceptable trade-off for speed

Limitation:

△ Synthetic control users
(requires replication)