

Appendix C: Performance Comparison

The scripts listed in appendices A and B were run on an 8 Core Intel 64 bit 3.2Ghz processor with 48gb ram, for messages over the date range

Step	Python Runtime	Unicage Runtime
1. Counting Hashtag Pairs	38h:34m:33s	06h:21m:34s
2. Weighted Edgelists	00h:00m:10s	00h:03m:31s
3. Unweighted Edgelists	00h:13m:36s	00h:01m:36s
4. Maximal Clique Identification	00h:10m:13s	00h:01m:32s
5. k-Clique Percolation	00h:05m:45s	00h:01m:42s
6. Mapping back to Text	00h:19m:56s	00h:04m:29s
7. Computing transition likelihoods	00h:03m:15s	00h:11m:03s
Total time	39h:27m:28s	06h:45m:27s