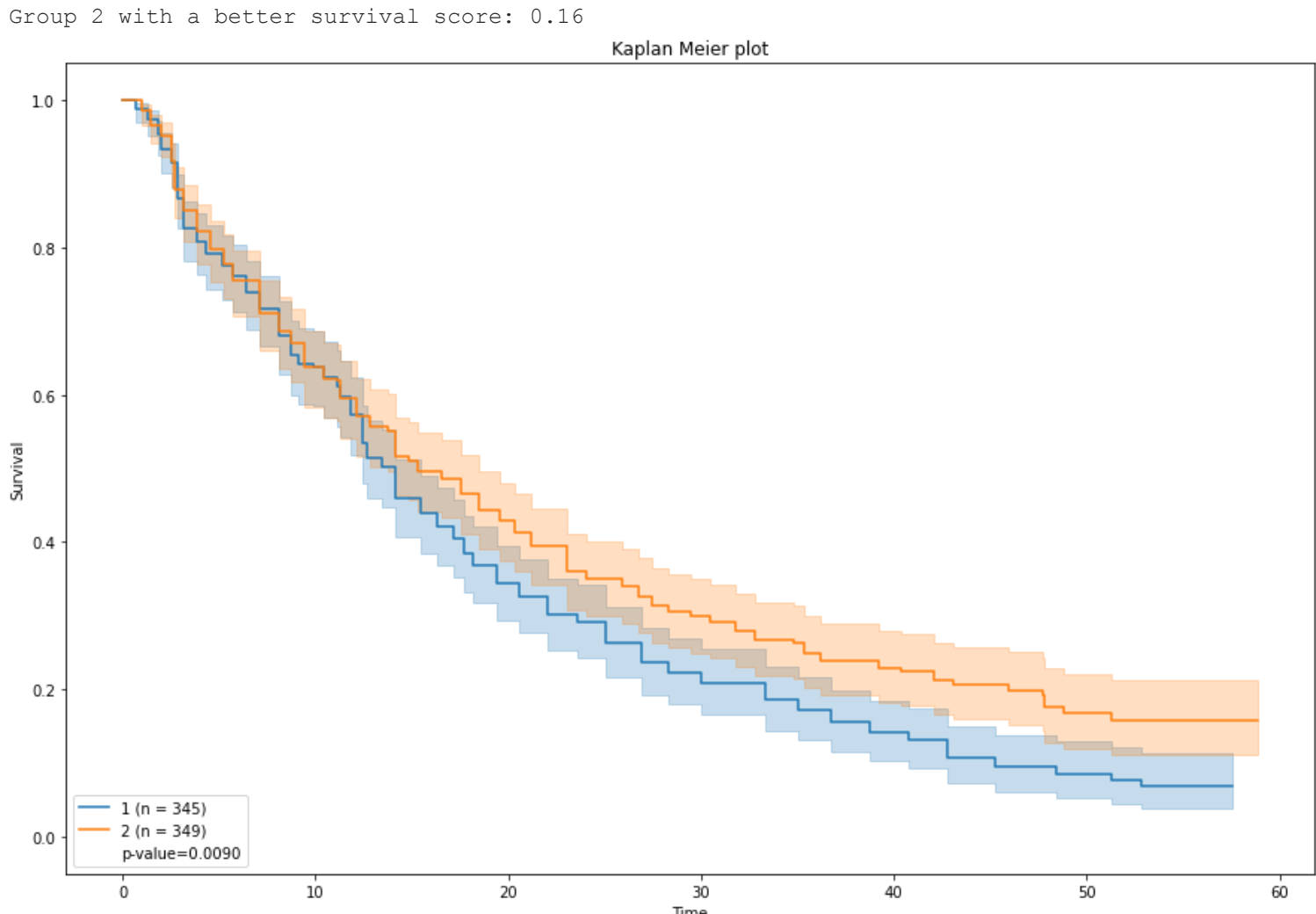


Log Rank Stability Interval Report

Article: Long-Term Outcomes of Patent Foramen Ovale Closure or Medical Therapy after Stroke

Link: <https://www.nejm.org/doi/full/10.1056/nejmoa1201622>

KM Plot



Explore alpha rejection

On number_of_changes=8 and alpha=0.05. The null hypothes is rejected

	Number_of_changes	MIN_pvalue	MAX_pvalue
0	1	0.006612	0.011880
1	2	0.004925	0.015349
2	3	0.003701	0.019372
3	4	0.002807	0.024288
4	5	0.002115	0.030250
5	6	0.001582	0.037429
6	7	0.001176	0.045983
7	8	0.000868	0.056091

ORIGINAL P-vlaue: 0.0090

Compare time calculation between efficient and griddy methods

The two alogrithms agree with P value MAX up to max interval N=20:

Greedy algorithm:

[604, 603, 602, 601, 0, 1, 2, 3, 4, 5, 6, 7, 8, 15, 14, 13, 9, 11, 10, 12]

Efficient algorithm:

[604, 603, 602, 601, 0, 1, 2, 3, 4, 5, 6, 7, 8, 15, 14, 13, 9, 11, 10, 12]

	Number_of_changes	Method	ORIGINAL_pvalue	MIN_pvalue	MAX_pvalue	RUNNING time
32	17	griddy	0.008953	0.000045	0.246953	1.386188
33	17	efficient	0.008953	0.000045	0.246953	4.562415
34	18	griddy	0.008953	0.000031	0.282303	1.437868
35	18	efficient	0.008953	0.000031	0.282303	5.024673
36	19	griddy	0.008953	0.000022	0.320936	1.537589
37	19	efficient	0.008953	0.000022	0.320936	5.532872
38	20	griddy	0.008953	0.000015	0.362868	1.595204
39	20	efficient	0.008953	0.000015	0.362868	6.105445

