

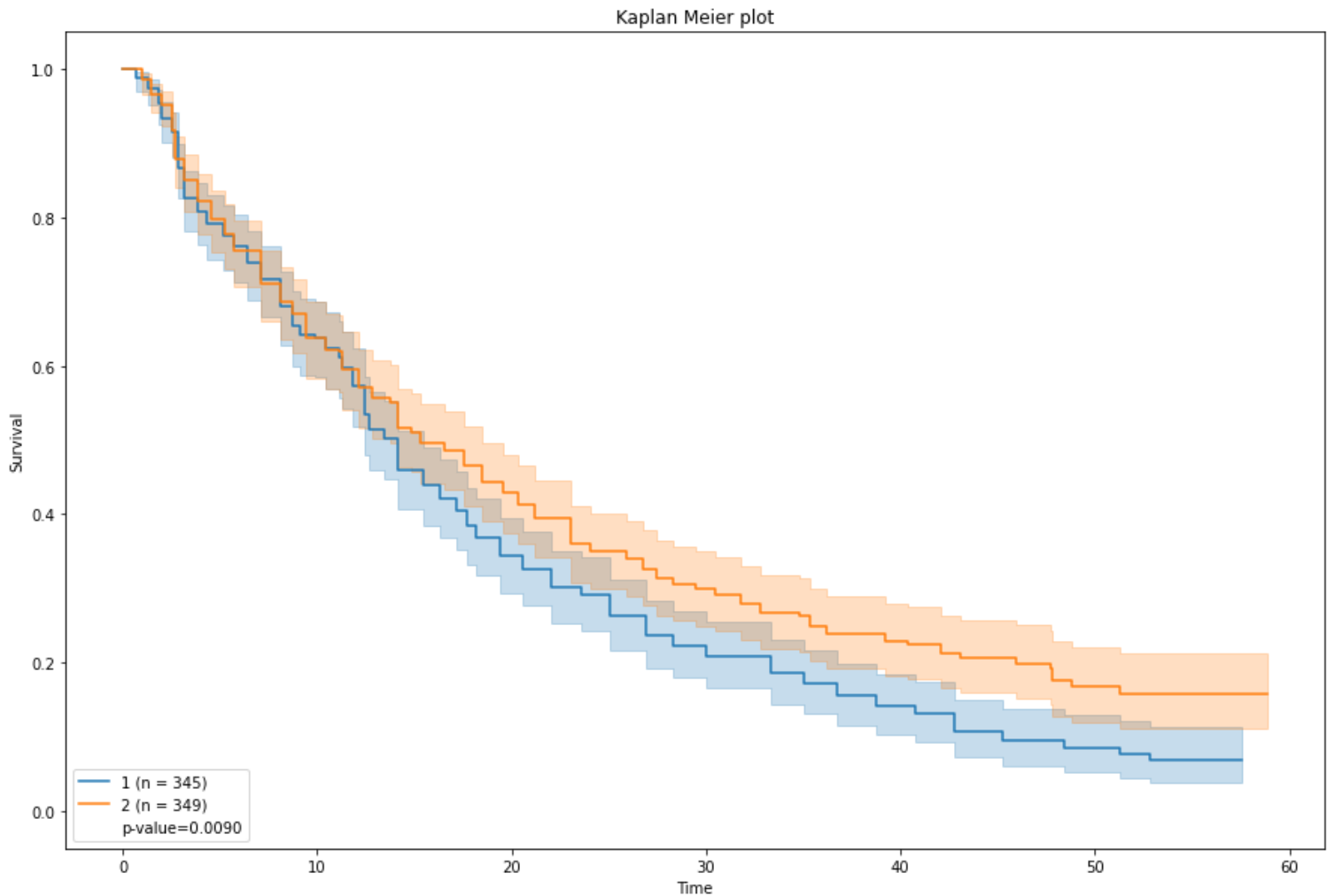
Log Rank Stability Interval Report

Article: Combination Anastrozole and Fulvestrant in Metastatic Breast Cancert

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

KM Plot

Group 2 with a better survival score: 0.16



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
1	2	0.004925
2	3	0.003701
3	4	0.002807
4	5	0.002115
5	6	0.001582
6	7	0.001176
7	8	0.000868

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	1.362309
33	17 efficient	0.008953	0.000045	0.246953	4.500288
34	18 griddy	0.008953	0.000031	0.282303	1.438583
35	18 efficient	0.008953	0.000031	0.282303	4.995058
36	19 griddy	0.008953	0.000022	0.320936	1.519690
37	19 efficient	0.008953	0.000022	0.320936	5.523686
38	20 griddy	0.008953	0.000015	0.362868	1.603367
39	20 efficient	0.008953	0.000015	0.362868	6.117021

