Test for shape dependence for the HSCT data

Covariates available in the dataset are:

age scaled

race 1 = white, 0 = otherwise

gender 1 = male

allo 1 = allogeneic, 0 = autologous

lym 1 = lymphomas disease at transplant

heme1 1 = heme at remission, 0 = otherwise

heme2 1 = heme at relapse, 0 = otherwise

cmv1 1 = receiver negative, 0 = otherwise

cmv2 1 = receiver and donor both negative, 0 = otherwise

Table 1: Different combinations and the testing results. The p-value is approximated with $n = 100$ bootstrap samples.

covariates									
age	race	gender	allo	lym	heme1	heme2	cmv1	cmv2	p
✓	✓								0.32
✓		✓							0.59
			✓	✓					0.41
	✓	✓							0.04
		✓	✓						0.03
✓	✓		✓						0.46
	✓	✓	✓						0.05
		✓	✓	✓					0.06
✓			✓	✓					0.67
✓		✓	✓						0.34
		✓	✓					✓	0.10
		✓	✓			✓			0.17
	✓	✓	✓	✓					0.12
✓		✓	✓	✓					0.32
✓	✓	✓	✓						0.54
		✓	✓			✓		✓	0.17
✓	✓		✓	✓					0.66
✓			✓		✓				0.52
✓			✓			✓			0.46
			✓			✓		✓	0.20
	✓		✓			✓		✓	0.28
✓			✓				✓		0.74
✓			✓					✓	0.22
✓			✓			✓		✓	0.38
✓		✓	✓					✓	0.32
		✓				✓		✓	0.34
✓		✓	✓						0.32
			✓	✓		✓		✓	0.29
	✓	✓	✓			✓			0.22
	✓	✓	✓					✓	0.32