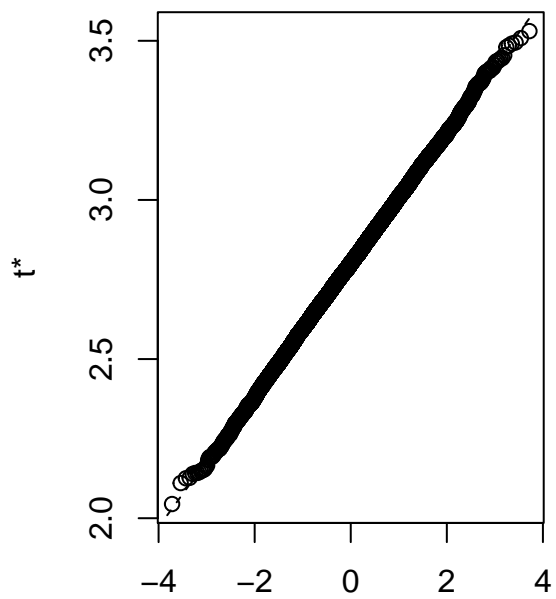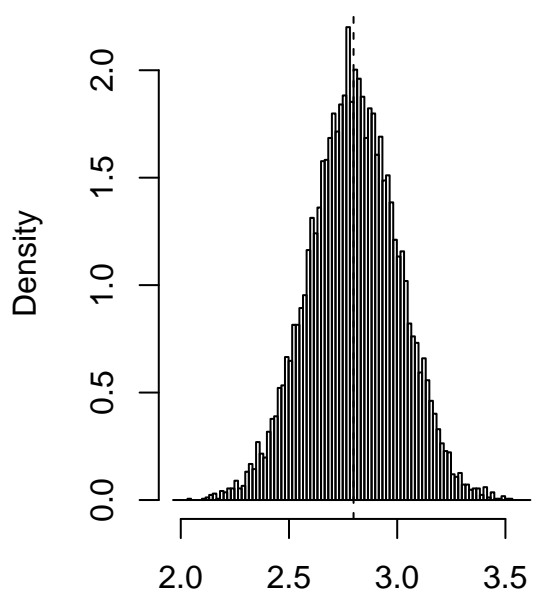# Bootstrap

12/10/2017

Histogram of t

Histogram of t
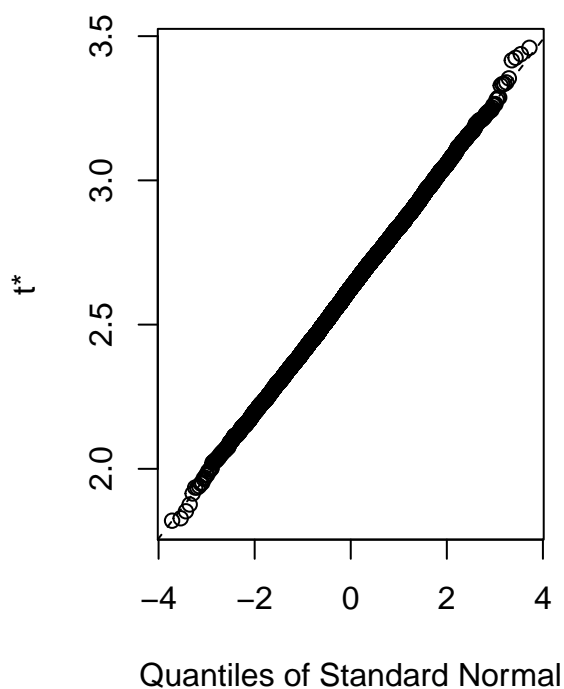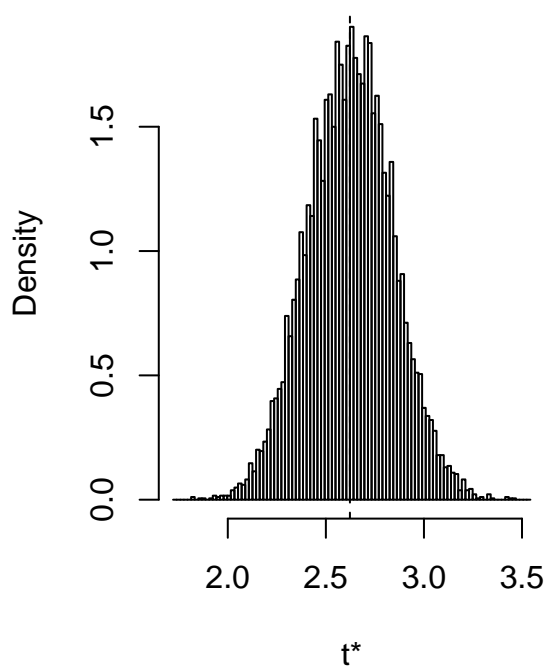
Table 1: Bootstrap Results

term	Without Outliers			With Outliers		
	statistic.x	bias.x	std.error.x	statistic.y	bias.y	std.error.y
(Intercept)	2.798216e+00	0.0023013	0.2070820	2.622674e+00	0.0012901	0.2163174
MSE	**3.313345e+05**	**0.0000000**	**0.0000000**	**4.665614e+05**	**0.0000000**	**0.0000000**
age	8.987000e-03	-0.0000062	0.0009543	9.256400e-03	-0.0000070	0.0010507
cindexmoderate	1.415274e-01	-0.0003668	0.0478582	8.110640e-02	-0.0005348	0.0584375
cindexnormal	1.831150e-02	-0.0006482	0.0346306	7.521400e-03	-0.0000928	0.0377170
cindexsevere	1.776537e-01	-0.0006759	0.0431054	1.936234e-01	0.0000161	0.0455450
evisit	6.437230e-02	0.0002183	0.0095390	6.761140e-02	0.0000352	0.0101843
genderMale	6.116640e-02	0.0004964	0.0295824	5.710630e-02	0.0000060	0.0329329
heartrate_transformed	-2.024807e+03	0.0830991	301.9305642	-1.984046e+03	-3.5388376	314.2477368
insurancetypeMedicare	-1.484534e-01	-0.0003640	0.0711079	-1.702282e-01	-0.0000209	0.0831609
insurancetypePrivate	-1.865536e-01	-0.0001634	0.0667434	-2.389063e-01	-0.0000723	0.0798386
is30dayreadmit1	1.821205e-01	0.0001823	0.0420912	1.703039e-01	-0.0008208	0.0493333
maritalstatusNot Married	7.836560e-02	-0.0003209	0.0301377	7.789310e-02	-0.0002861	0.0328994
mean_arterial_pressure	-5.636500e-03	-0.0000134	0.0008289	-5.659000e-03	0.0000055	0.0009552
respirationrate_transformed	-1.794470e+02	0.0420508	29.5055884	-1.910947e+02	-0.1270585	36.4318376
temperature_catlow	-6.760500e-02	-0.0008243	0.0912259	-9.679270e-02	-0.0020063	0.1122548
temperature_catnormal	-2.495654e-01	-0.0004031	0.0582887	-2.671740e-01	-0.0000519	0.0650142

Table 2: Bootstrap MSE and CI

term	mse	conf	lower	upper
without outliers	331334.5	0.95	2.395107	3.207715
with outliers	466561.4	0.95	2.197040	3.042720