drosophila_217_post.csv_run_10_20250525_211038

May 25, 2025

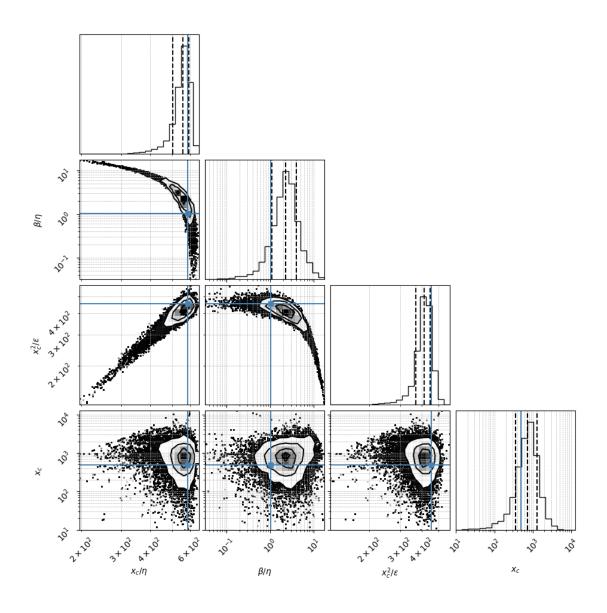
/Users/navehr/Dropbox/naveh/weizmann/uri alon/aging/code_3

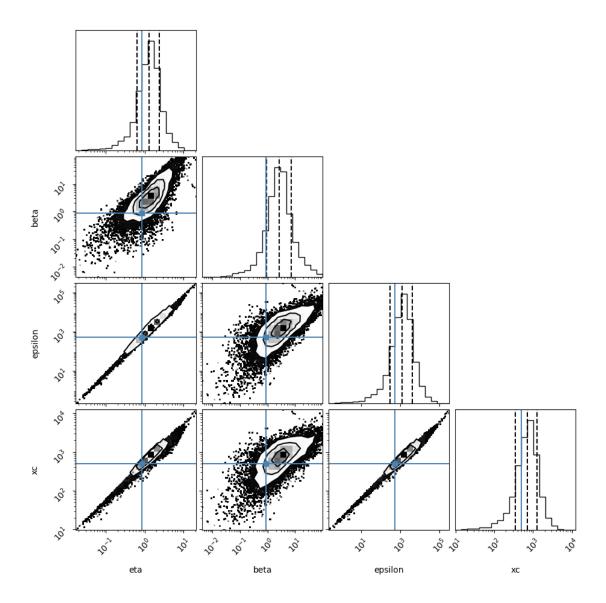
Loading file from: /Users/navehr/Dropbox/naveh/weizmann/uri alon/aging/code_3/baysian02/posterior_csvs_baysian01/DROSOPHILA/drosophila_217_post.csv

Reading drosofila_217_seed

1 # 1. Density coner plot

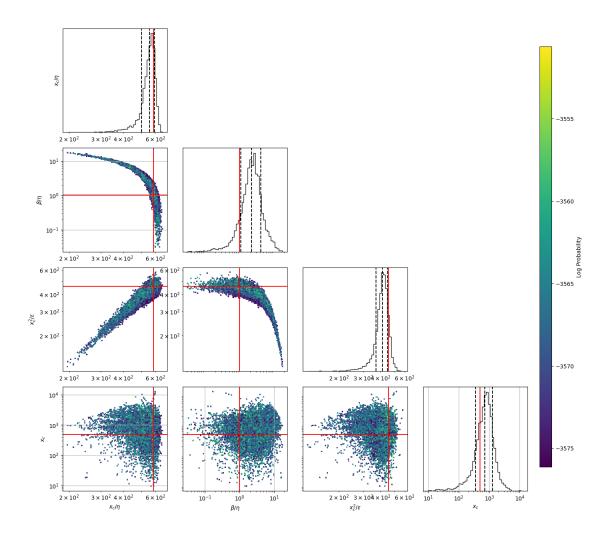
A sample is 1 parameter set scanned. For the corner plot below, the quantiles (represented by the solid lines) are 0.16,0.5,0.84 of the samples. Dots represent individual samples (outside the line surrounding 0.84 of the samples) The parameter search is performed in the transformed space of x_c/η , β/η , x_c^2/ϵ , x_c but we also show the regular parameters (16,)





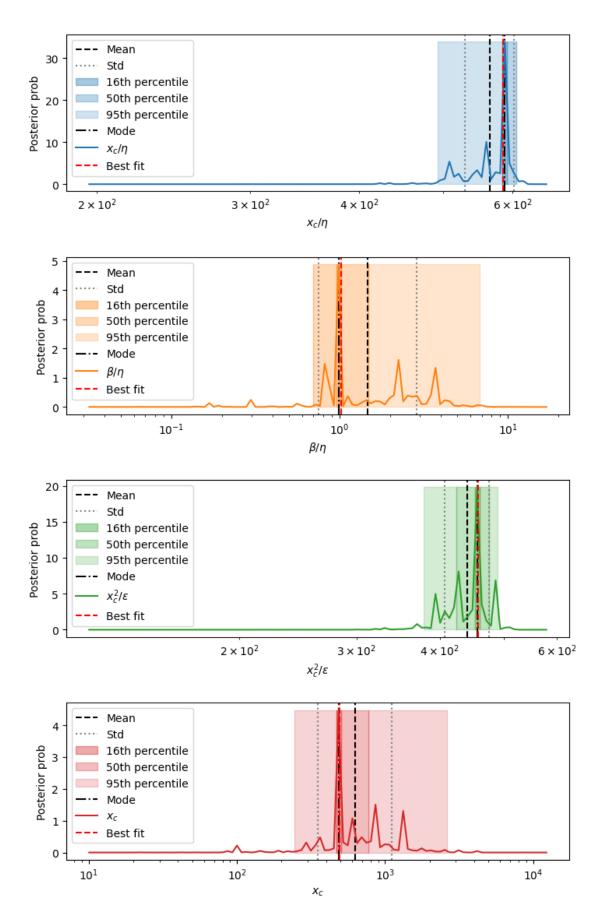
2 2. Heat map corner plot of raw samples

This plot shows all the raw sample points and their lnprobability



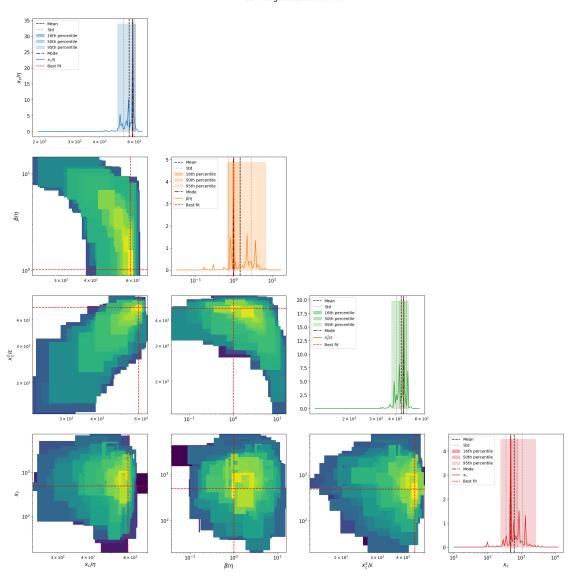
3 3. Posterior distributions of parameters

1d marginalizations of posterior distributions. we use a grid of size nbins=100-150



2D marginalizations of posterior distributions

2D Marginalized Posterior



4 4. Table of results

mode is the marginalized mode, max_likwlihood is the sample with highest likelihood mode_overall is the 4D posterior mode

mean std mode \
xc/eta 564.703 [37.603, 35.255] 588.022

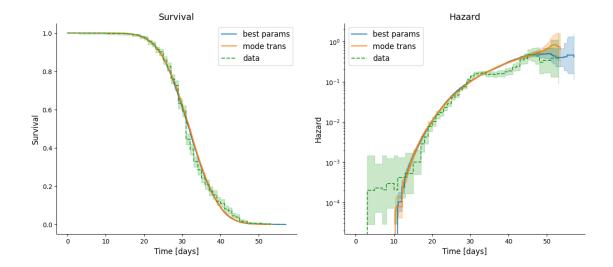
beta/eta	1.468		11, 0.719]	2.392	
xc^2/epsilon	439.582	[34.68	448.203		
xc	625.092	[489.438, 274.505] 560.846			
eta	1.182	[2.846, 0.835] 0.57			
beta	1.506	[7.329, 1.249]		6.214	
epsilon	991.981	[10112.467, 903.366]		211.347	
-	23.767	[0.767, 0.743]		24.102	
sqrt(xc/eta)					
s= eta^0.5*xc^1.5/epsilon	18.526	[0.928, 0.884]		17.965	
beta*xc/epsilon	1.166	[1.051, 0.553]		1.805	
eta*xc/epsilon	0.78	[0.0274, 0.0264]		0.777	
Fx=beta^2/eta*xc	0.00339	[0.00975, 0.00252]		0.00882	
<pre>Dx =beta*epsilon/eta*xc^2</pre>	0.00314	[0.00328, 0.0016] 0.0051		0.00512	
Pk=beta*k/epsilon	0.000791	[0.000747, 0.000384] 0.000846			
Fk=beta^2/eta*k	3.16	[14.069, 2.58] 21.166			
Dk =beta*epsilon/eta*k^2	2996.252	[18342.748, 2575.543] 5375.378			
Fk^2/Dk=beta^3/eta*epsilon	0.00149		, 0.00134]	0.00105	
beta^2/epsilon	0.00113		, 0.00176]	0.00100	
-					
k/beta	0.426		49, 0.318]	0.546	
k/epsilon	0.00077	[0.00408,	0.000648]	0.00236	
best fit_MedianLifetime	31.79		0.51	31.79	
best fit_MaxLifetime	57.05		0	57.05	
data_MedianLifetime	31.0		0.47	31.0	
data_MaxLifetime	53.0		0	53.0	
	pe:	rcentile 16	pe	ercentile 50	\
xc/eta	_	rcentile_16 3. 591.6221	_	ercentile_50 02. 598.8881	\
xc/eta beta/eta	[577.35	3, 591.622]	[556.59	92, 598.888]	\
beta/eta	[577.353 [2	3, 591.622] .175, 2.63]	[556.59 [1.	92, 598.888] 917, 4.093]	\
beta/eta xc^2/epsilon	[577.353 [2 [444.63	3, 591.622] .175, 2.63] 7, 459.075]	[556.59 [1. [423.82	92, 598.888] 917, 4.093] 27, 466.469]	\
beta/eta xc^2/epsilon xc	[577.35; [2 [444.63]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106]	[556.59 [1. [423.82 [468.70	92, 598.888] 917, 4.093] 27, 466.469] 91, 894.351]	\
beta/eta xc^2/epsilon xc eta	[577.35; [2 [444.63 [541.07	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682]	[556.59 [1. [423.82 [468.70	92, 598.888] 917, 4.093] 27, 466.469] 91, 894.351] 444, 2.472]	\
beta/eta xc^2/epsilon xc eta beta	[577.35; [2 [444.63] [541.07] [0.4	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995]	[556.59 [1. [423.82 [468.70 [0.	92, 598.888] 917, 4.093] 27, 466.469] 91, 894.351] 444, 2.472] 177, 13.237]	\
beta/eta xc^2/epsilon xc eta beta epsilon	[577.35; [2 [444.63] [541.07] [0.4] [4.8]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799]	[556.59 [1. [423.82 [468.70 [0. [1.1	92, 598.888] 917, 4.093] 27, 466.469] 91, 894.351] 444, 2.472] 177, 13.237] 8, 3843.776]	\
beta/eta xc^2/epsilon xc eta beta	[577.35; [2 [444.63] [541.07] [0.4] [4.8]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995]	[556.59 [1. [423.82 [468.70 [0. [1.1	92, 598.888] 917, 4.093] 27, 466.469] 91, 894.351] 444, 2.472] 177, 13.237]	\
beta/eta xc^2/epsilon xc eta beta epsilon	[577.35; [2 [444.63] [541.07] [0.4 [4.3] [148.37]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799]	[556.59 [1. [423.82 [468.70 [0. [1.1 [128.8	92, 598.888] 917, 4.093] 27, 466.469] 91, 894.351] 444, 2.472] 177, 13.237] 8, 3843.776]	\
<pre>beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta)</pre>	[577.35; [2 [444.63] [541.07] [0.4] [4.8] [148.37] [24.09]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323]	[556.59 [1. [423.82 [468.70 [0. [1.1 [128.8 [23.5	92, 598.888] 917, 4.093] 27, 466.469] 91, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472]	\
<pre>beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon</pre>	[577.35; [2 [444.63] [541.07] [0.4 [4.8] [148.37] [24.0] [17.8]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248]	[556.59 [1. [423.82 [468.70 [0. [1.1 [128.8 [23.5 [17.6	92, 598.888] 917, 4.093] 27, 466.469] 91, 894.351] 444, 2.472] 177, 13.237] 18, 3843.776] 192, 24.472] 187, 18.827] 1887, 18.827] 1822, 3.064]	\
<pre>beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon</pre>	[577.35; [2 [444.63] [541.07] [0.4 [4.3] [148.37] [24.0] [17.8]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783]	[556.59 [1. [423.82 [468.70 [0. [1.1 [128.8 [23.5 [17.6	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 282, 3.064] 759, 0.791]	
<pre>beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc</pre>	[577.35; [2 [444.63] [541.07] [0.4] [148.37] [24.0] [17.8] [1.0] [0.006]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109]	[556.59 [1. [423.82 [468.70 [0. [1.1 [128.8 [23.5 [17.6 [1. [0.	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 282, 3.064] 759, 0.791] 036, 0.0248]	\
<pre>beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2</pre>	[577.35; [2 [444.63] [541.07] [0.4] [4.3] [148.37] [24.0] [17.8] [1.4] [0.006] [0.006]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621]	[556.59 [1. [423.82 [468.70 [0. [1.1 [128.8 [23.5 [17.6 [1. [0. [0.0036	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 282, 3.064] 759, 0.791] 036, 0.0248] 62, 0.00988]	\
beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2 Pk=beta*k/epsilon	[577.35] [2 [444.63] [541.07] [0.4] [4.3] [148.37] [24.0] [17.8] [1.0] [0.006] [0.0045] [0.000716]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621] , 0.000894]	[556.59 [1. [423.82 [468.70 [0. [1.1 [128.8 [23.5 [17.6 [1. [0. [0.0036 [0.0036	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 282, 3.064] 759, 0.791] 036, 0.0248] 62, 0.00988] 74, 0.00111]	\
beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2 Pk=beta*k/epsilon Fk=beta^2/eta*k	[577.353] [2 [444.63] [541.07] [0.4] [4.3] [148.37] [24.0] [17.8] [1.0] [0.006] [0.0045] [0.000716] [14.3]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621] , 0.000894] 05, 26.774]	[556.59 [1.] [423.82 [468.70 [0.] [1.1] [128.8 [23.5] [17.6] [0.] [0.00 [0.0036] [0.00057 [2.5]	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 1282, 3.064] 1759, 0.791] 1036, 0.0248] 1036, 0.00988] 104, 0.00111] 1052, 31.316]	
beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2 Pk=beta*k/epsilon Fk=beta^2/eta*k Dk =beta*epsilon/eta*k^2	[577.353] [2 [444.63] [541.07] [0.4] [148.37] [24.0] [17.8] [1.0] [0.006] [0.0045] [0.000716 [14.30] [4231.171	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621] , 0.000894] 05, 26.774] , 8010.441]	[556.59 [1.] [423.82 [468.70 [0.] [1.1] [128.8] [23.5] [17.6] [1.] [0.00 [0.0036] [0.00057 [2.5] [1180.508,	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 1282, 3.064] 1759, 0.791] 036, 0.0248] 04, 0.00111] 052, 31.316] 15165.343]	
beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2 Pk=beta*k/epsilon Fk=beta^2/eta*k Dk =beta*epsilon/eta*k^2 Fk^2/Dk=beta^3/eta*epsilon	[577.35; [2 [444.63] [541.07] [0.4] [4.3] [148.37] [24.0] [17.8] [1.0] [0.006] [0.0045] [0.000716 [14.3] [4231.171 [0.00073]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621] , 0.000894] 05, 26.774] , 8010.441] 8, 0.00142]	[556.59 [1. [423.82 [468.70 [0. [1.1 [128.8 [23.5 [17.6 [1. [0. [0.0036 [0.0036 [0.00057 [2.5 [1180.508, [0.0005	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 282, 3.064] 759, 0.791] 036, 0.0248] 62, 0.00988] 74, 0.00111] 652, 31.316] 15165.343] 623, 0.0128]	
beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2 Pk=beta*k/epsilon Fk=beta^2/eta*k Dk =beta*epsilon/eta*k^2 Fk^2/Dk=beta^3/eta*epsilon beta^2/epsilon	[577.353] [2 [444.63] [541.07] [0.4] [148.37] [24.0] [17.8] [1.0] [0.006] [0.0045] [0.000716] [14.3] [4231.171] [0.00073]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621] , 0.000894] 05, 26.774] , 8010.441] 8, 0.00142] 8, 0.00138]	[556.59 [1.] [423.82 [468.70 [0.] [1.1] [128.8 [23.5 [17.6 [1.] [0.00 [0.0036 [0.00057 [2.5 [1180.508, [0.00056 [0.00056]	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 282, 3.064] 759, 0.791] 036, 0.0248] 62, 0.00988] 74, 0.00111] 652, 31.316] 15165.343] 623, 0.0128] 08, 0.00624]	
beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2 Pk=beta*k/epsilon Fk=beta^2/eta*k Dk =beta*epsilon/eta*k^2 Fk^2/Dk=beta^3/eta*epsilon	[577.353] [2 [444.63] [541.07] [0.4] [148.37] [24.0] [17.8] [1.0] [0.006] [0.0045] [0.000716] [14.3] [4231.171] [0.00073]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621] , 0.000894] 05, 26.774] , 8010.441] 8, 0.00142]	[556.59 [1.] [423.82 [468.70 [0.] [1.1] [128.8 [23.5 [17.6 [1.] [0.00 [0.0036 [0.00057 [2.5 [1180.508, [0.00056 [0.00056]	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 282, 3.064] 759, 0.791] 036, 0.0248] 62, 0.00988] 74, 0.00111] 652, 31.316] 15165.343] 623, 0.0128]	
beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2 Pk=beta*k/epsilon Fk=beta^2/eta*k Dk =beta*epsilon/eta*k^2 Fk^2/Dk=beta^3/eta*epsilon beta^2/epsilon	[577.353] [2 [444.63] [541.07] [0.4] [4.8] [148.37] [24.0] [17.8] [1.0] [0.006] [0.0045] [0.000716 [14.3] [4231.171 [0.000718] [0.000918]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621] , 0.000894] 05, 26.774] , 8010.441] 8, 0.00142] 8, 0.00138]	[556.59 [1.] [423.82 [468.70 [0.] [1.1] [128.8 [23.5] [17.6 [1.] [0.00 [0.0036] [0.00057 [2.5] [1180.508, [0.0005 [0.0005]	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 282, 3.064] 759, 0.791] 036, 0.0248] 62, 0.00988] 74, 0.00111] 652, 31.316] 15165.343] 623, 0.0128] 08, 0.00624]	
beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2 Pk=beta*k/epsilon Fk=beta^2/eta*k Dk =beta*epsilon/eta*k^2 Fk^2/Dk=beta^3/eta*epsilon beta^2/epsilon k/beta	[577.35;	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621] , 0.000894] 05, 26.774] , 8010.441] 8, 0.00142] 8, 0.00138] 425, 0.635]	[556.59 [1. [423.82 [468.70 [0. [1.1 [128.8 [23.5 [17.6 [1. [0. [0.0036 [0.00057 [2.5 [1180.508, [0.0005 [0.0005 [0.0005 [0.0005 [0.0005 [0.0005 [0.0005	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 282, 3.064] 759, 0.791] 036, 0.0248] 62, 0.00988] 74, 0.00111] 652, 31.316] 652, 31.316] 652, 31.316] 623, 0.0128] 08, 0.00624] 171, 1.164]	
beta/eta xc^2/epsilon xc eta beta epsilon sqrt(xc/eta) s= eta^0.5*xc^1.5/epsilon beta*xc/epsilon eta*xc/epsilon Fx=beta^2/eta*xc Dx =beta*epsilon/eta*xc^2 Pk=beta*k/epsilon Fk=beta^2/eta*k Dk =beta*epsilon/eta*k^2 Fk^2/Dk=beta^3/eta*epsilon beta^2/epsilon k/beta k/epsilon	[577.353] [2 [444.63] [541.07] [0.4] [148.37] [24.0] [17.8] [1.4] [0.006] [0.0045] [0.000716 [14.3] [4231.171 [0.00073] [0.000913] [0.4] [0.0016]	3, 591.622] .175, 2.63] 7, 459.075] 1, 671.106] 444, 0.682] 829, 7.995] 7, 346.799] 28, 24.323] 72, 18.248] 644, 2.109] 775, 0.783] 25, 0.0109] 6, 0.00621] , 0.000894] 05, 26.774] , 8010.441] 8, 0.00142] 8, 0.00138] 425, 0.635] 6, 0.00337]	[556.59 [1.] [423.82 [468.70 [0.] [1.1] [128.8 [23.5 [17.6 [1.] [0.0057 [2.5] [1180.508, [0.0005 [0.0005 [0.0005]	22, 598.888] 917, 4.093] 27, 466.469] 01, 894.351] 444, 2.472] 177, 13.237] 3, 3843.776] 692, 24.472] 687, 18.827] 282, 3.064] 759, 0.791] 036, 0.0248] 62, 0.00988] 74, 0.00111] 652, 31.316] 615165.343] 623, 0.0128] 08, 0.00624] 171, 1.164] 64, 0.00388]	

data_MedianLifetime	[30.58, 31.47]	[30.58,	31.47]
data_MaxLifetime	[53.0, 53.0]	[53.0	, 53.0]
	percentile_95	max_likelihood	mode_overall
xc/eta	[492.631, 613.69]	585.496	585.496
beta/eta	[0.697, 5.271]	1.018	1.018
xc^2/epsilon	[372.972, 497.255]	456.506	456.506
xc	[245.631, 2274.24]	493.355	493.355
eta	[0.188, 7.229]	0.843	4.416
beta	[0.0946, 29.659]	0.858	3.942
epsilon	[20.466, 27866.514]	533.179	14184.322
sqrt(xc/eta)	[22.195, 24.773]	24.197	24.197
s= eta^0.5*xc^1.5/epsilon	[16.617, 20.249]	18.866	18.866
beta*xc/epsilon	[0.536, 3.93]	0.794	0.794
eta*xc/epsilon	[0.724, 0.829]	0.78	0.78
Fx=beta^2/eta*xc	[0.000789, 0.0568]	0.00177	0.00177
<pre>Dx =beta*epsilon/eta*xc^2</pre>	[0.00143, 0.0145]	0.00223	0.00223
Pk=beta*k/epsilon	[0.000109, 0.00654]	0.000805	0.000805
Fk=beta^2/eta*k	[0.243, 280.912]	1.748	1.748
<pre>Dk =beta*epsilon/eta*k^2</pre>	[239.375, 268060.869]	2171.961	5076.738
Fk^2/Dk=beta^3/eta*epsilon	[0.000158, 0.571]	0.00141	0.000817
beta^2/epsilon	[0.000352, 0.0964]	0.00138	0.00138
k/beta	[0.0152, 2.884]	0.583	0.583
k/epsilon	[1.79e-05, 0.0184]	0.000938	0.000938
best fit_MedianLifetime	[31.3, 32.3]	31.79	NaN
best fit_MaxLifetime	[57.05, 57.05]	57.05	NaN
${\tt data_MedianLifetime}$	[30.58, 31.47]	31.0	NaN
data_MaxLifetime	[53.0, 53.0]	53.0	NaN

5 5. Fits of simulations to data

best params is the sample with highest likelihood. mode trans is the 4D posterior mode in the transformed space of $x_c/\eta,\,\beta/\eta,\,x_c^2/\epsilon,\,x_c$

Text(0, 0.5, 'Hazard')



Text(0, 0.5, 'Prob density')

