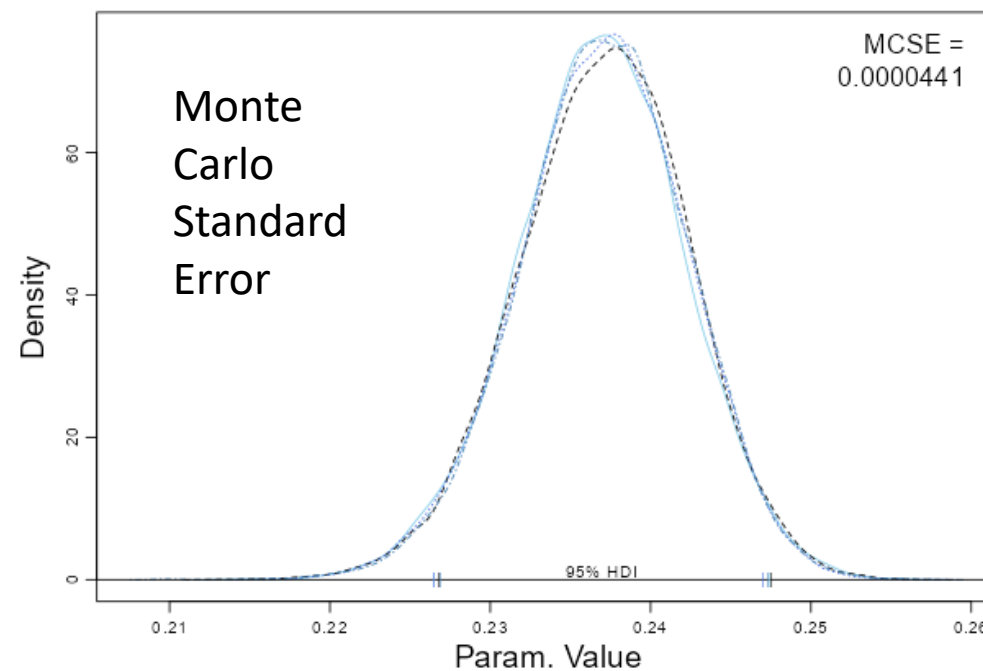
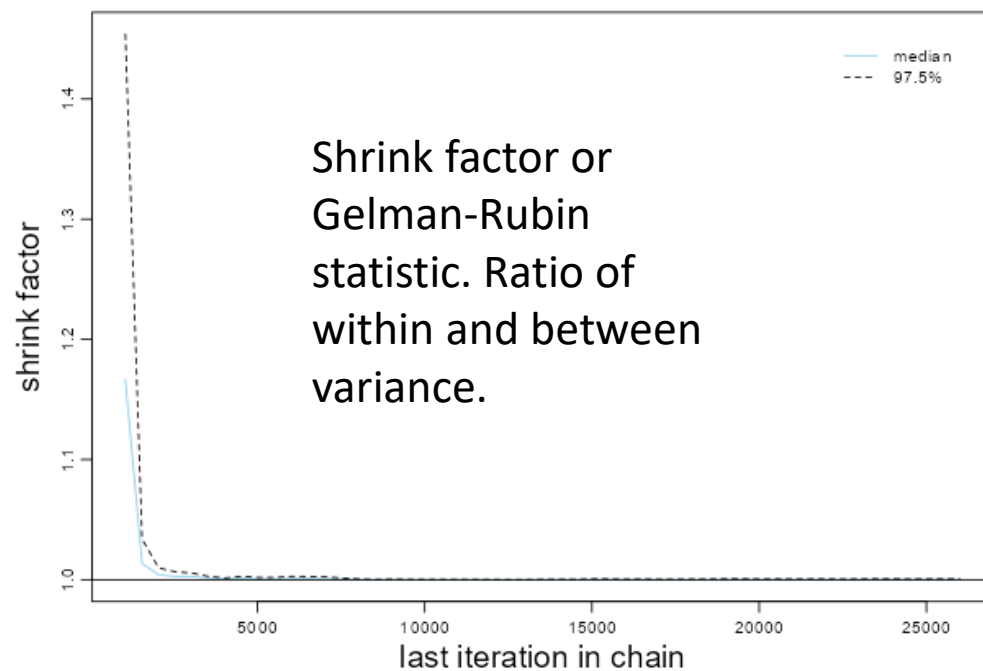
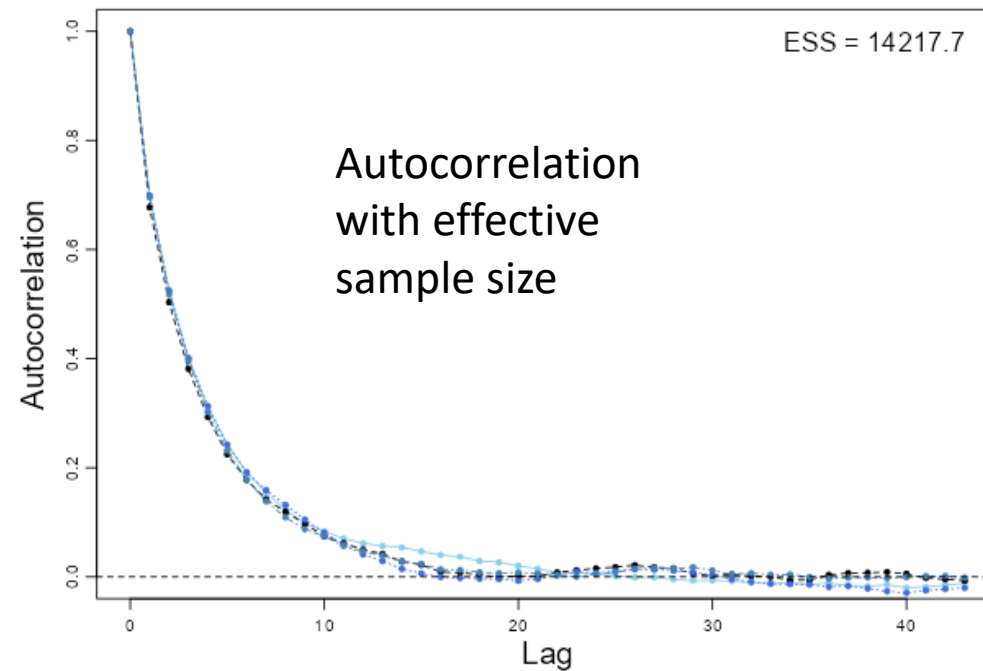
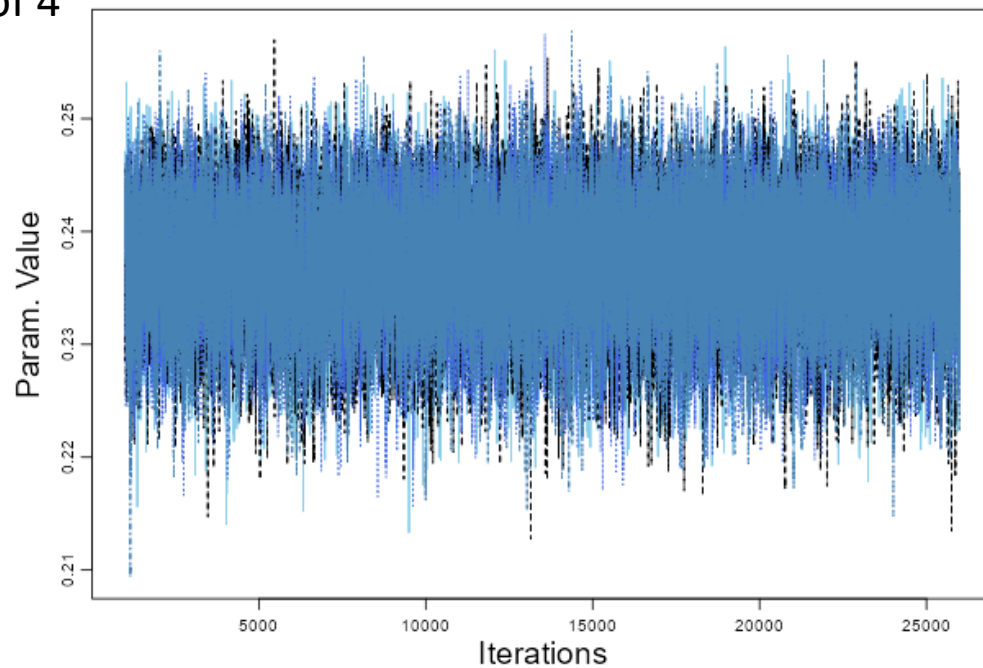


Examples from the Bayesian tab

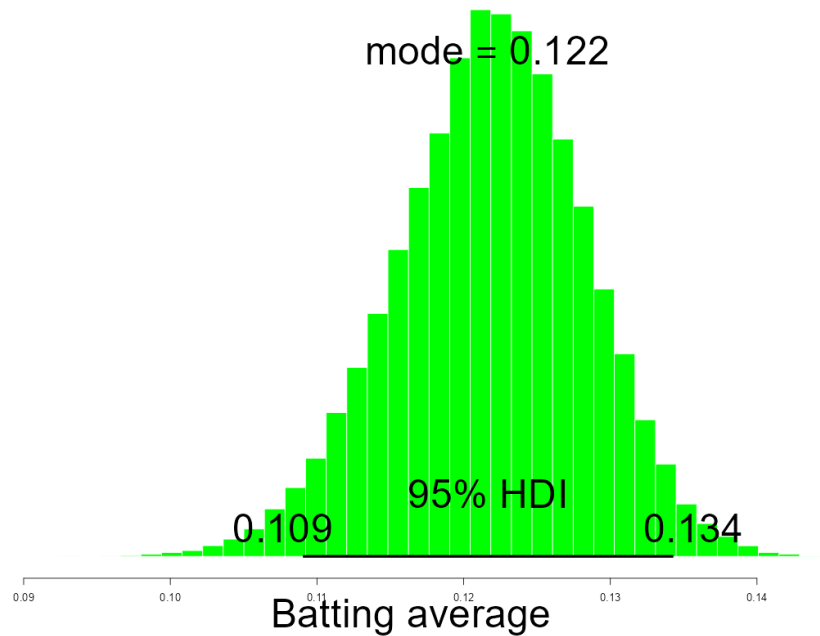
Graphs and output

Trace plots of 4 chains

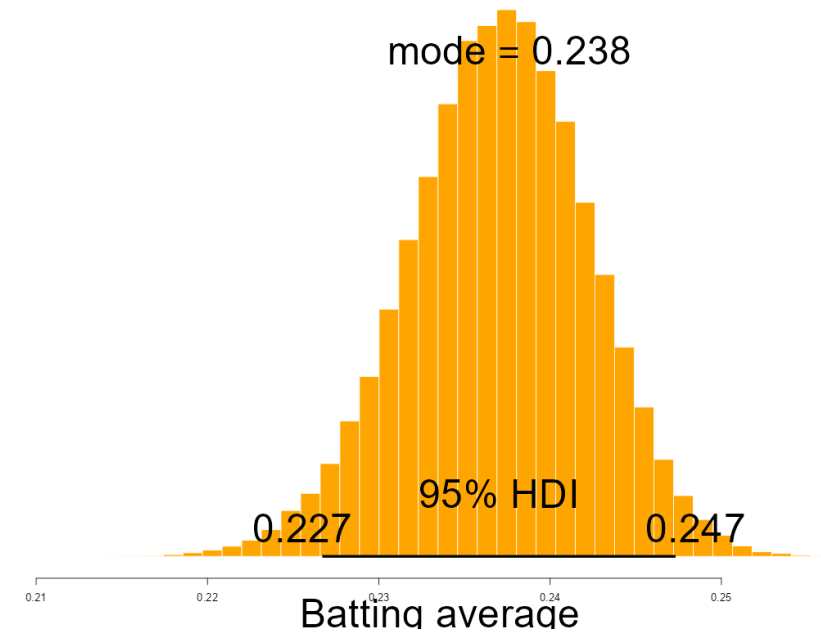
$\omega[4]$



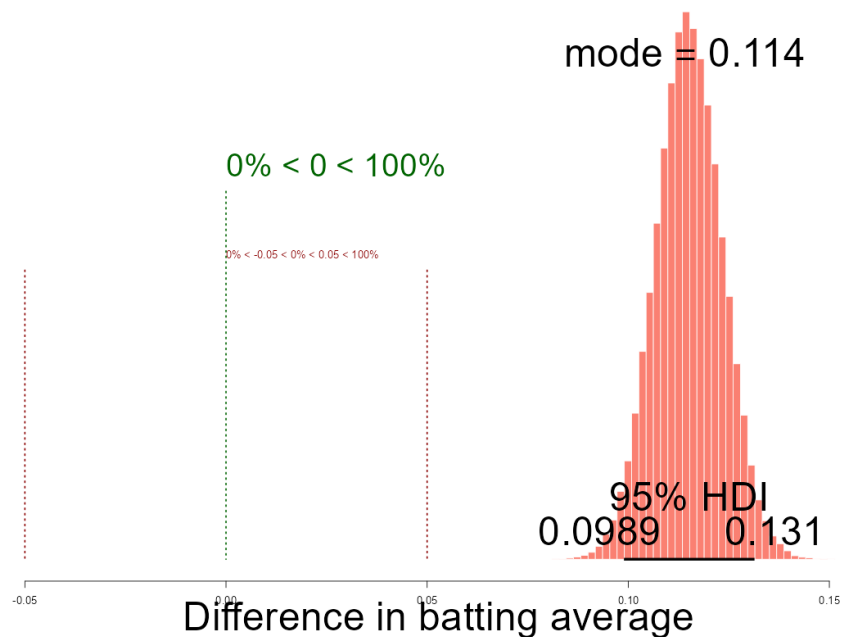
Pitchers



Catchers



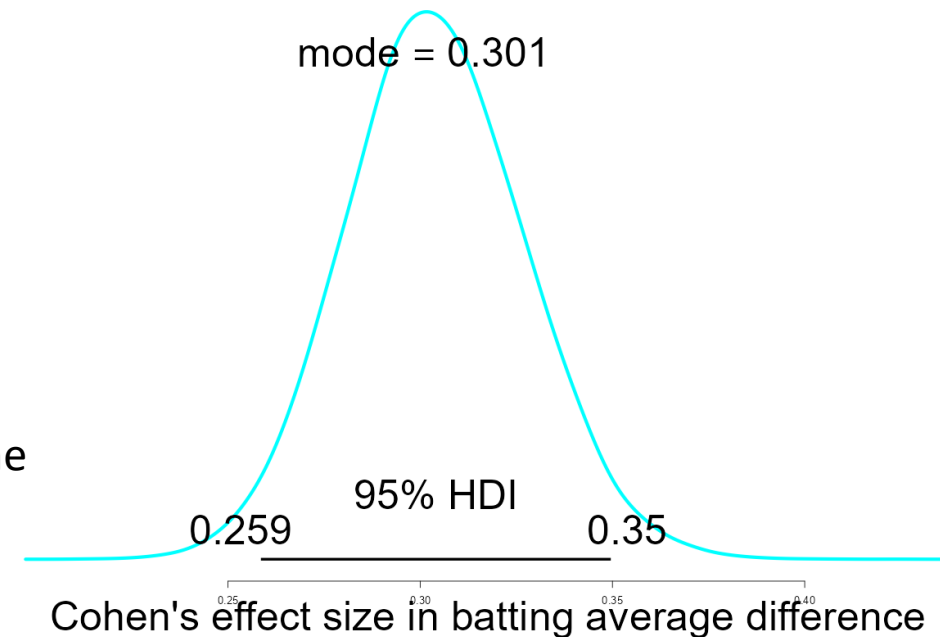
Catchers - Pitchers



Difference in batting averages excludes 0 as a credible value and the ROPE excludes the 95% HDI.

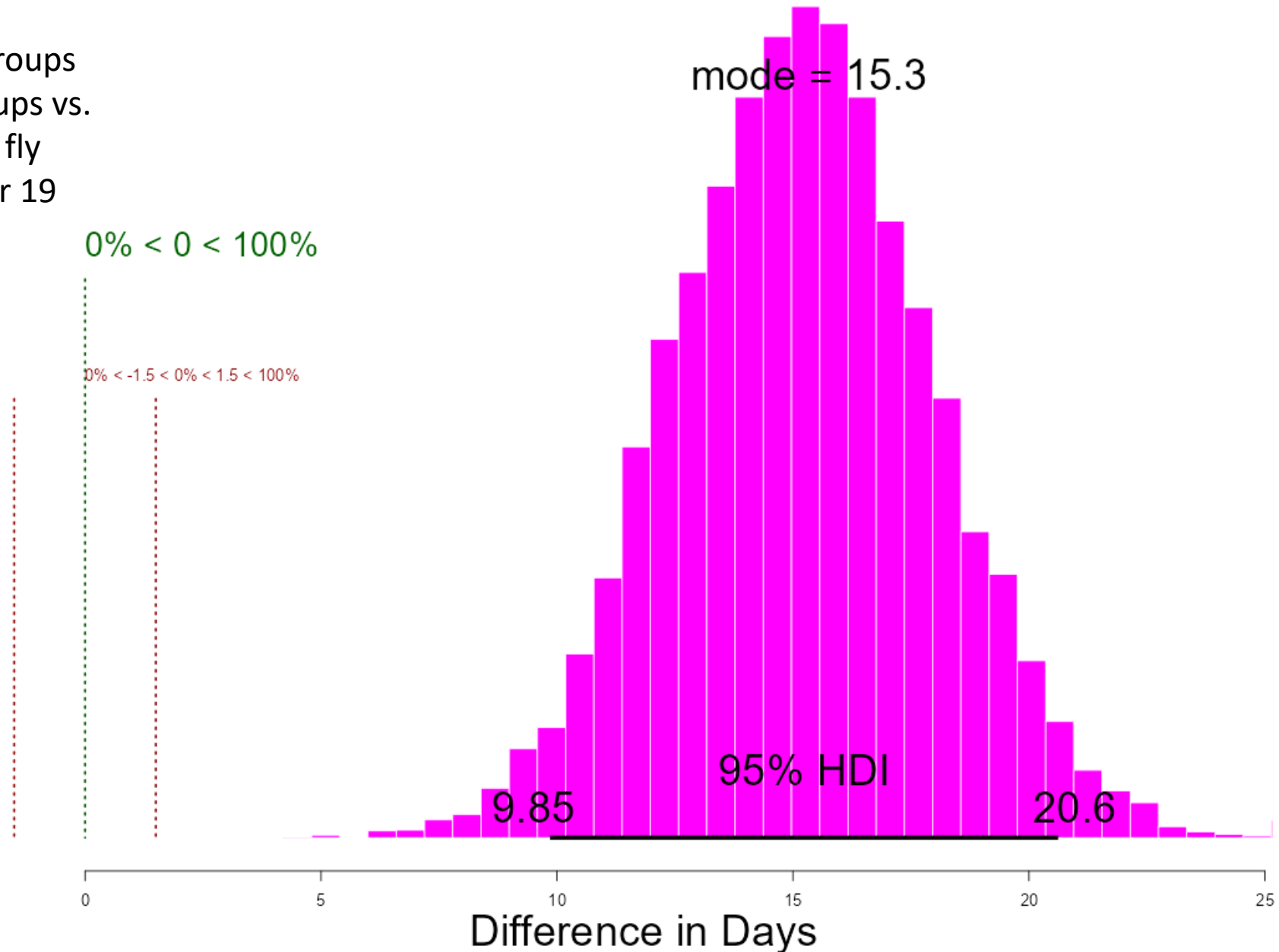
Cohen's effect size for the difference

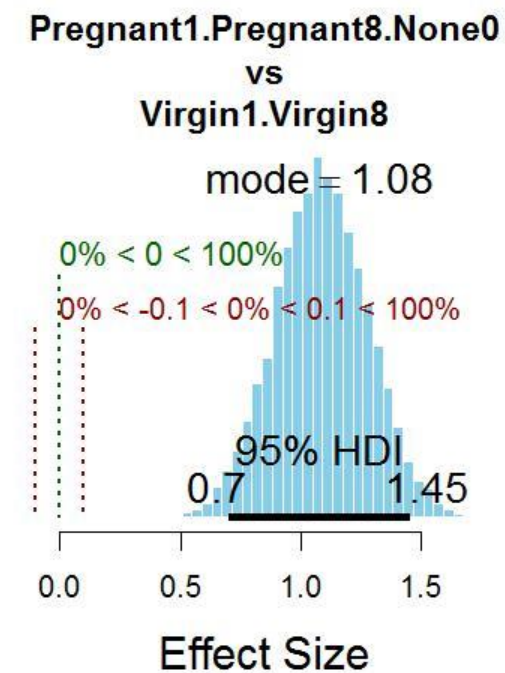
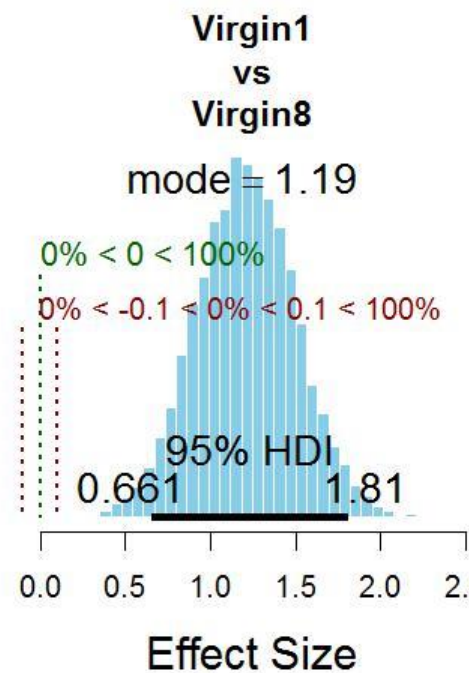
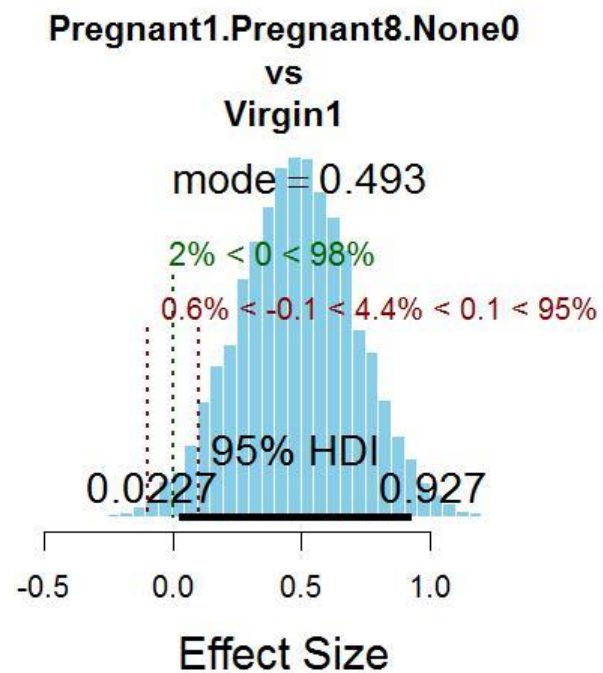
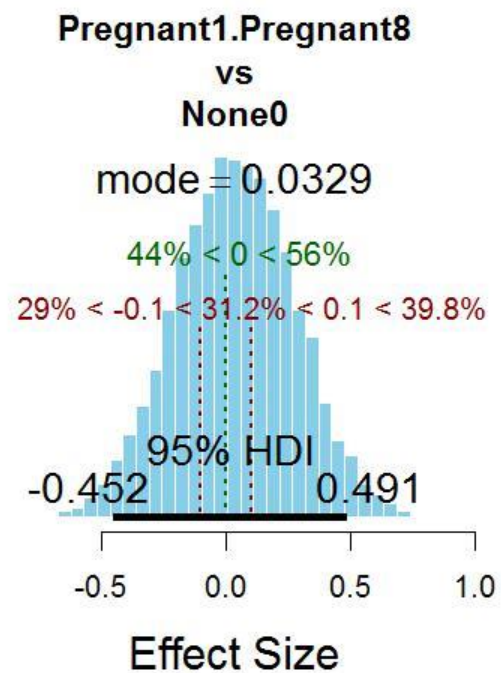
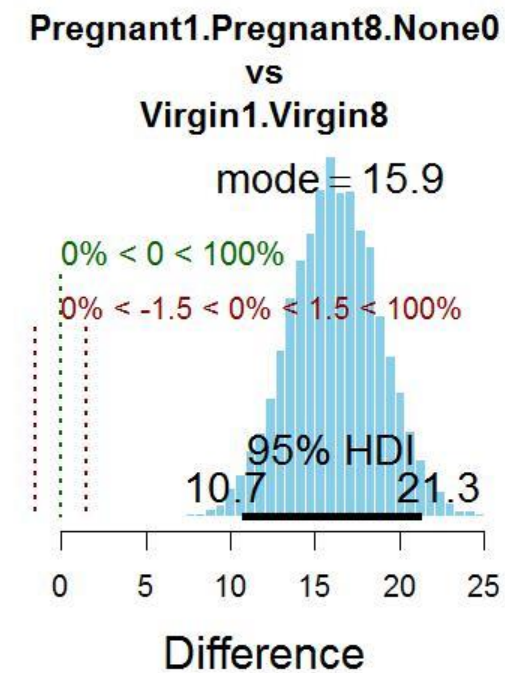
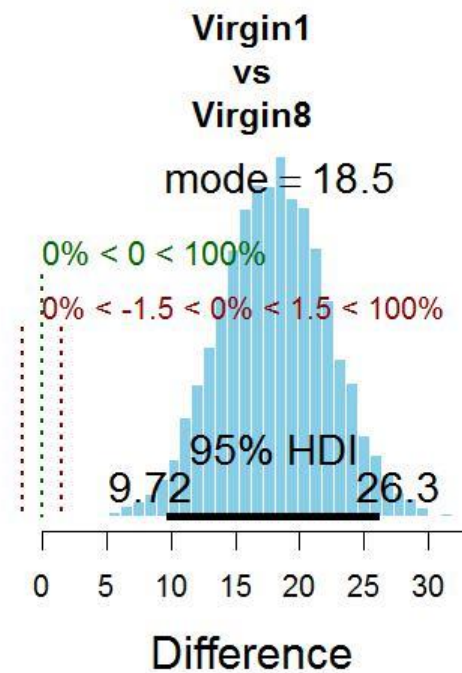
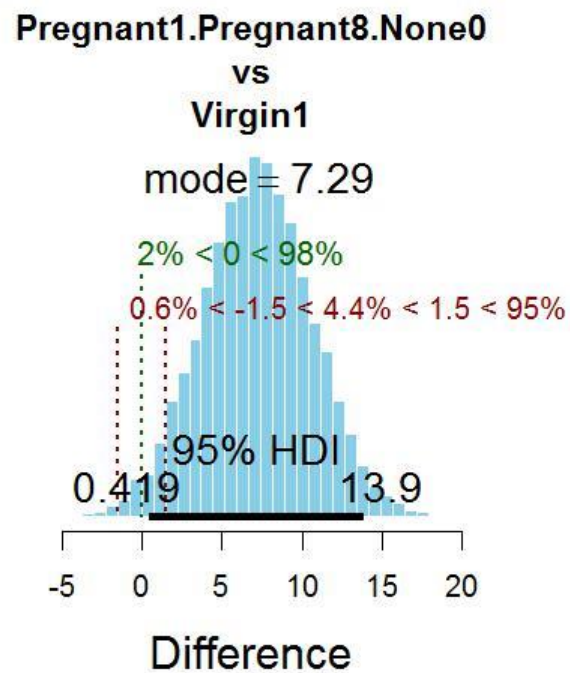
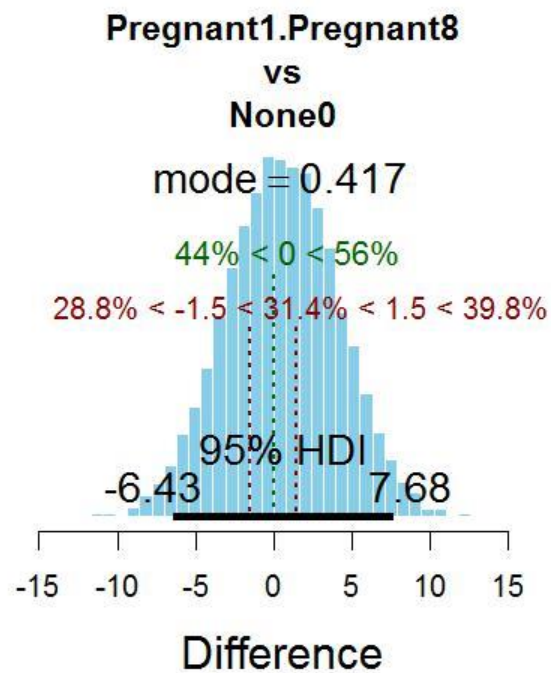
mode = 0.301



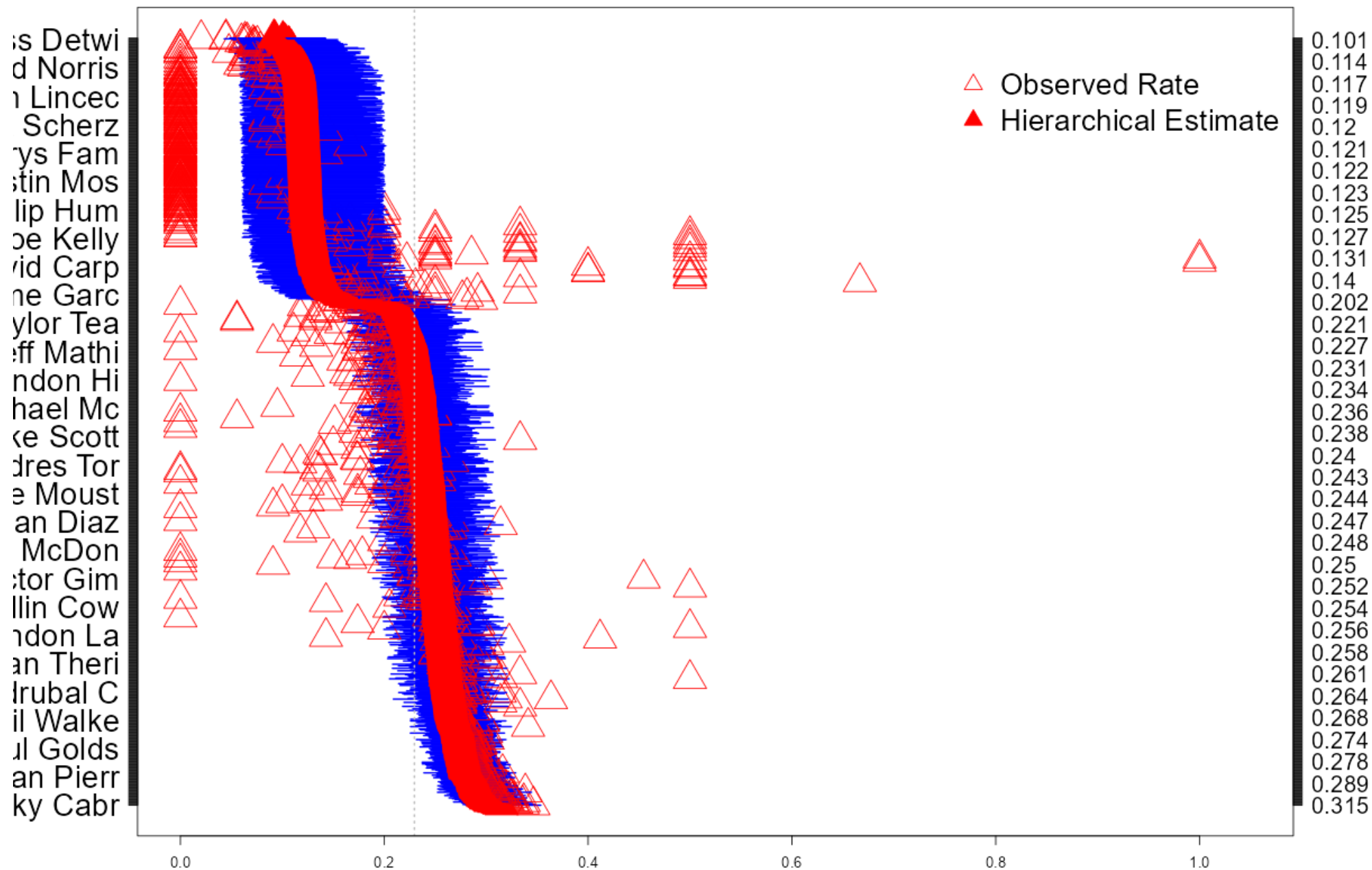
None/Pregnant1/Pregnant8 - Virgin1/Virgin8

Contrasts can be done between 2 groups or multiple subsets of groups such as 3 control groups vs. 2 test groups on fruit fly lifespans (see Chapter 19 Kruschke, 2015).

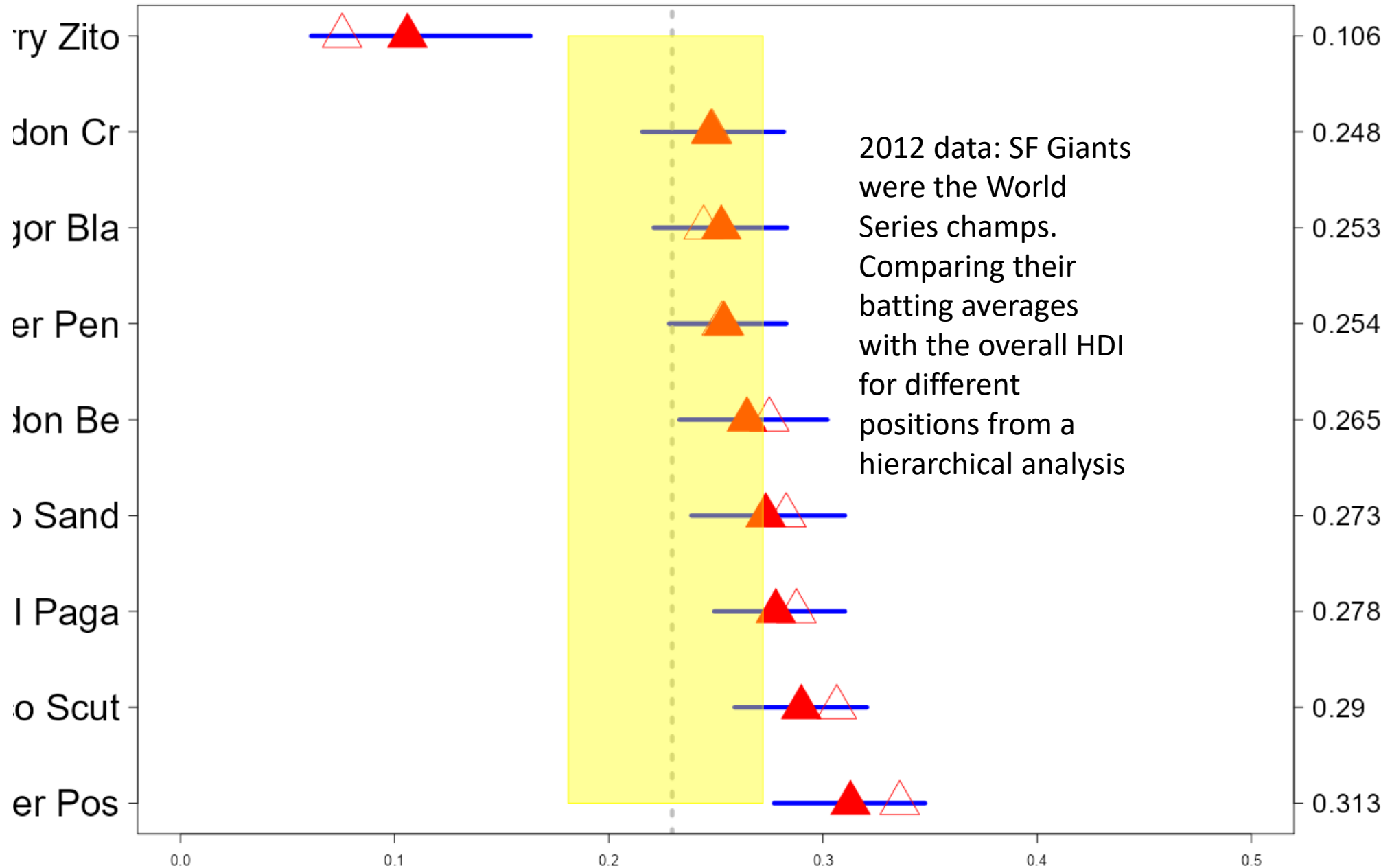




95% Highest Density Intervals of Hits by Player

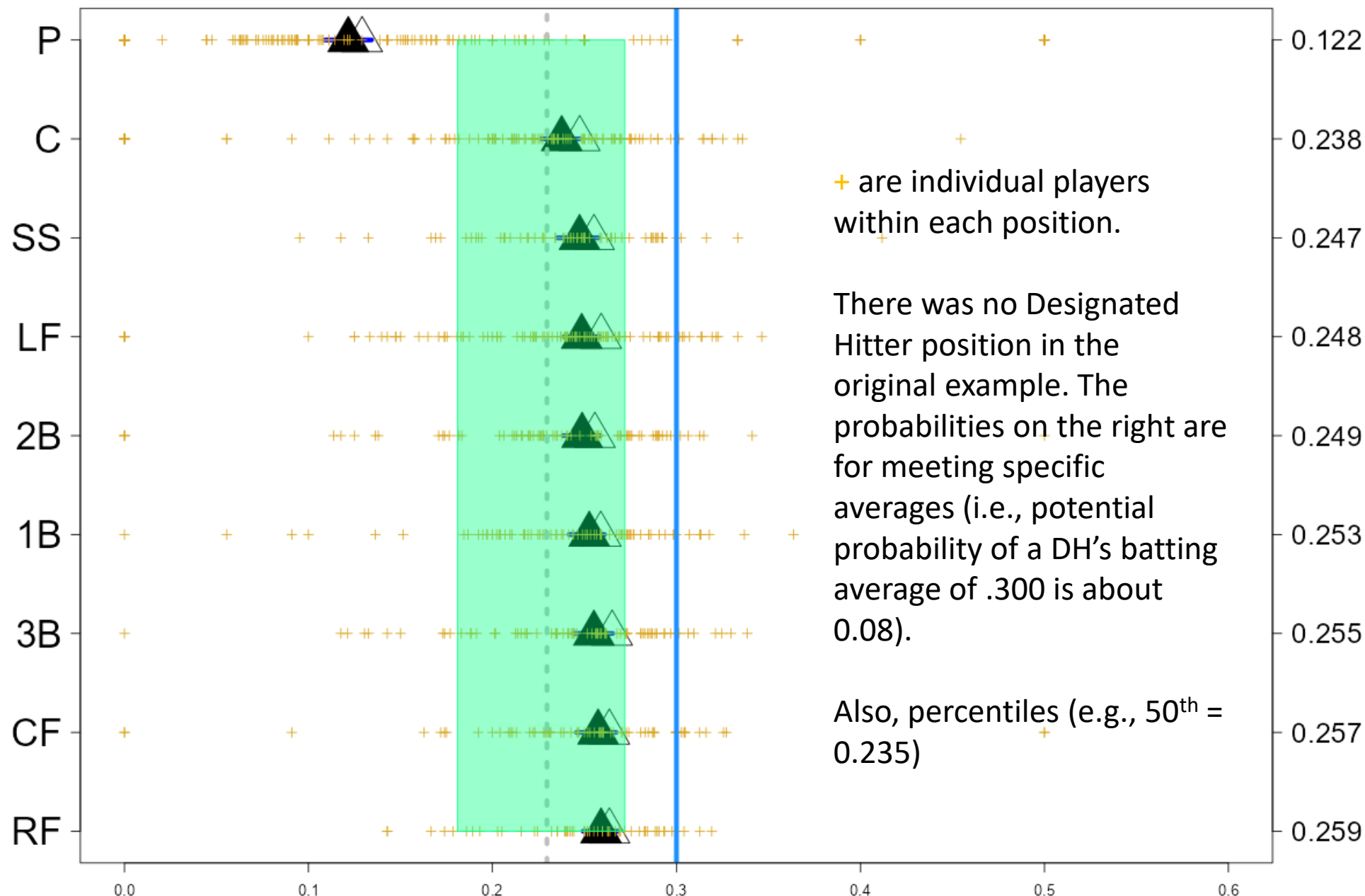


95% Highest Density Intervals of Hits by Player



Dashed line= Overall hierarchical est. of 0.23, 95% HDI [0.181, 0.272]

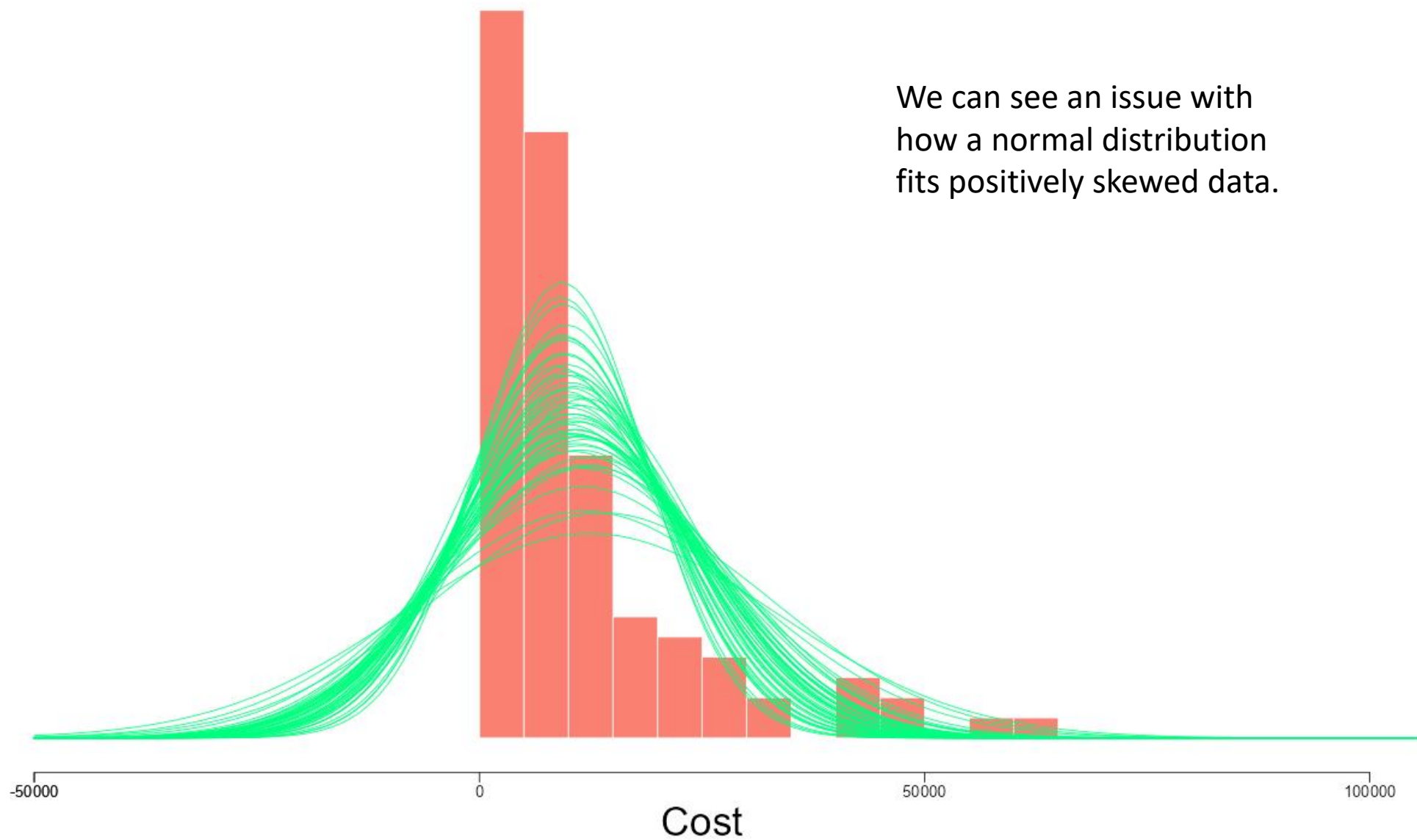
95% Highest Density Intervals of Hits by Position



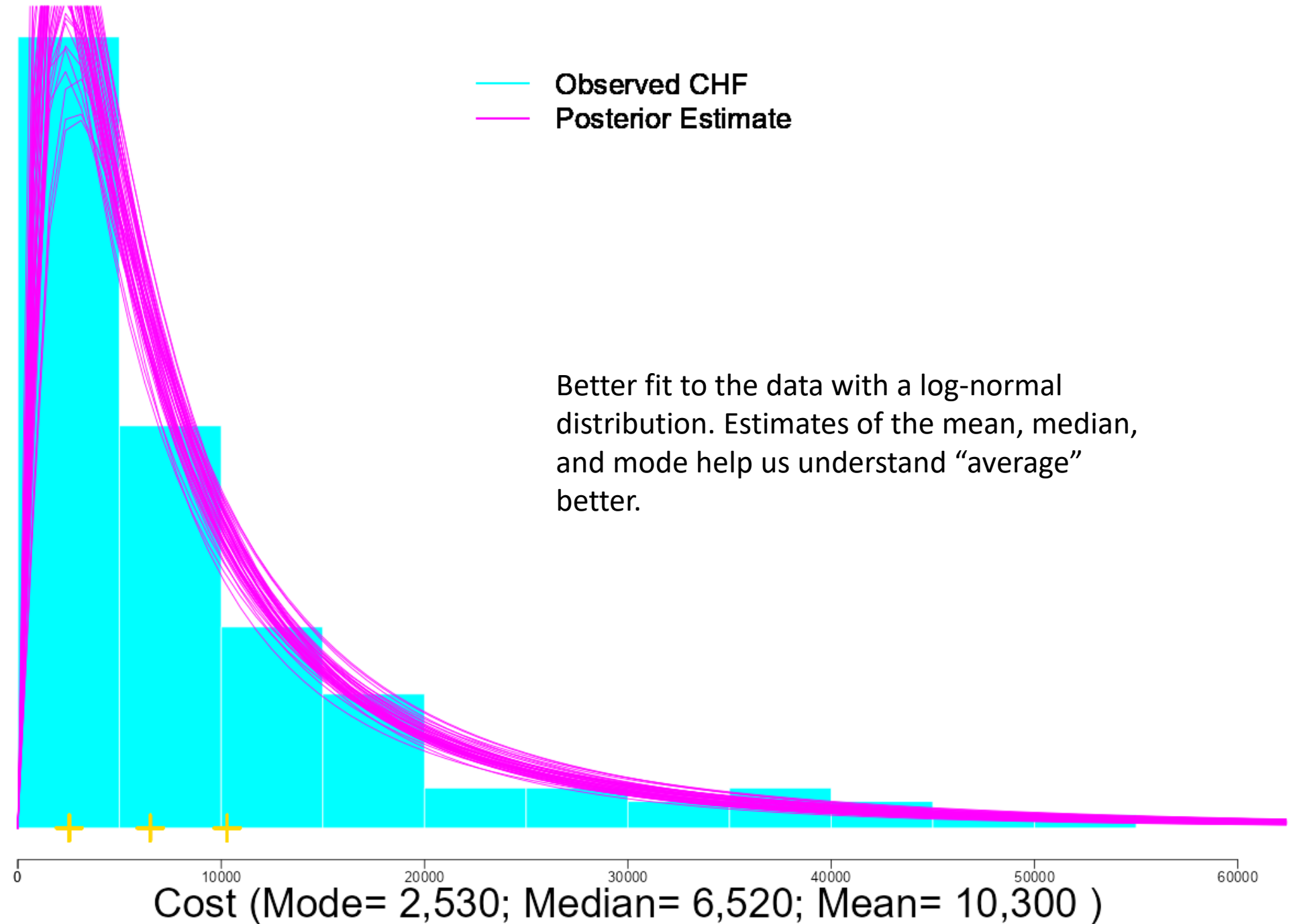
Dashed line= Overall hierarchical est. of 0.23, 95% HDI [0.181, 0.272]

\$Est.Prop.GT.Y		
\$Est.Prop.GT.Y\$Y_0.23		
Mode	HDIlow	HDIhigh
0.5521178	0.2884207	0.7772578
\$Est.Prop.GT.Y\$Y_0.3		
Mode	HDIlow	HDIhigh
0.082626078	0.008068365	0.356581483
\$Est.Effect.Size.2Y		
Mode	HDIlow	HDIhigh
0.8461453	0.4639655	1.2680568
\$Est.Quantile.Y		
\$Est.Quantile.Y\$Percentile_0.05		
Mode	HDIlow	HDIhigh
0.1559087	0.0934855	0.1953441
\$Est.Quantile.Y\$Percentile_0.25		
Mode	HDIlow	HDIhigh
0.1993641	0.1515007	0.2369288
\$Est.Quantile.Y\$Percentile_0.5		
Mode	HDIlow	HDIhigh
0.2352480	0.1932466	0.2780868
\$Est.Quantile.Y\$Percentile_0.75		
Mode	HDIlow	HDIhigh
0.2681554	0.2297939	0.3329683
\$Est.Quantile.Y\$Percentile_0.95		
Mode	HDIlow	HDIhigh
0.3238013	0.2739714	0.4327274
\$Est.Mean.Beta		
Mode	HDIlow	HDIhigh
0.2368235	0.1970613	0.2808094

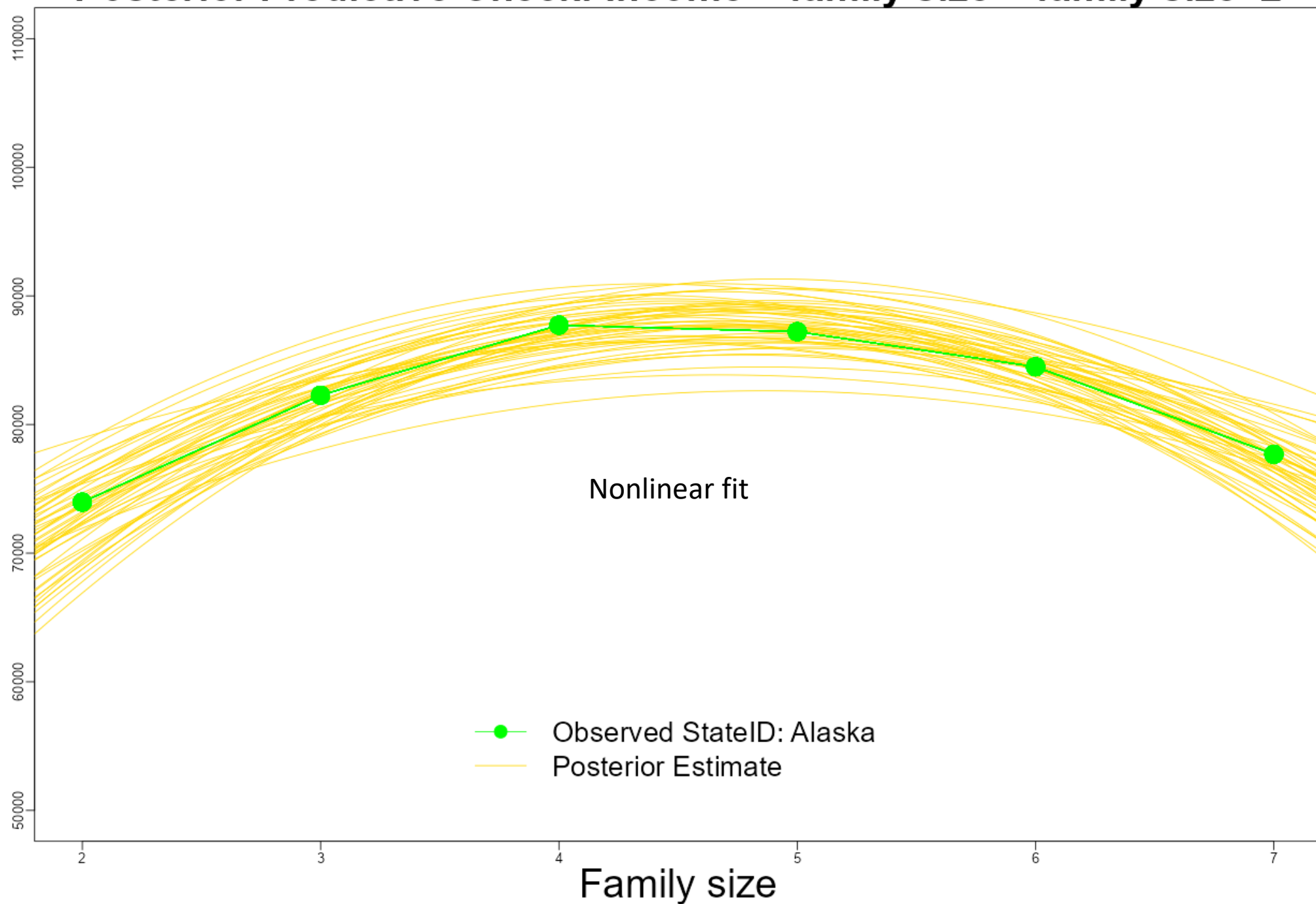
Posterior Predictive Check of health costs



Posterior Predictive Check of health costs



Posterior Predictive Check: Income ~ family size + family size^2



Posterior Predictive Check: Robust t

