



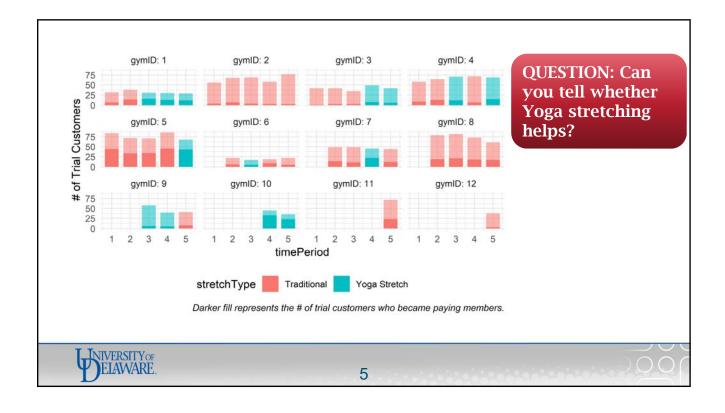


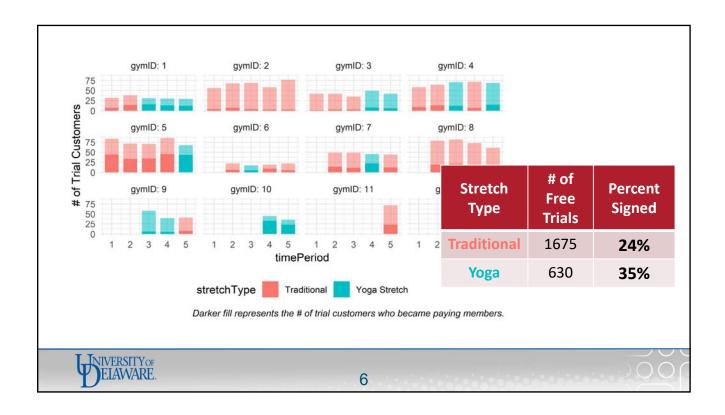
Is it worthwhile to pay Beachbody to use its name?

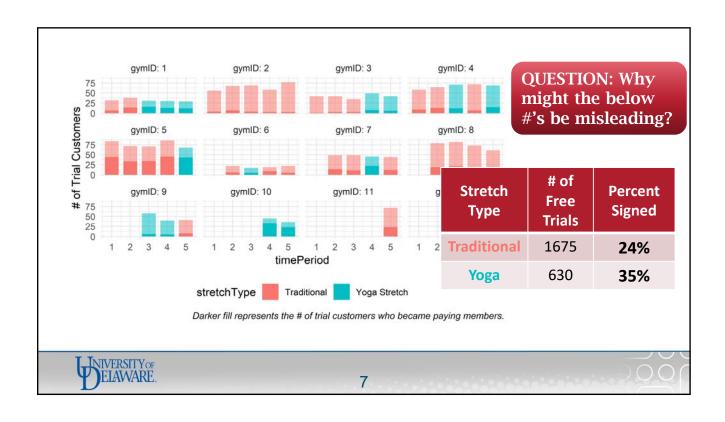


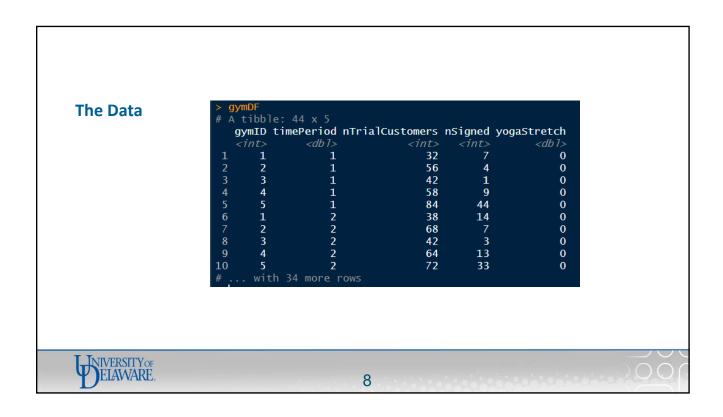
3

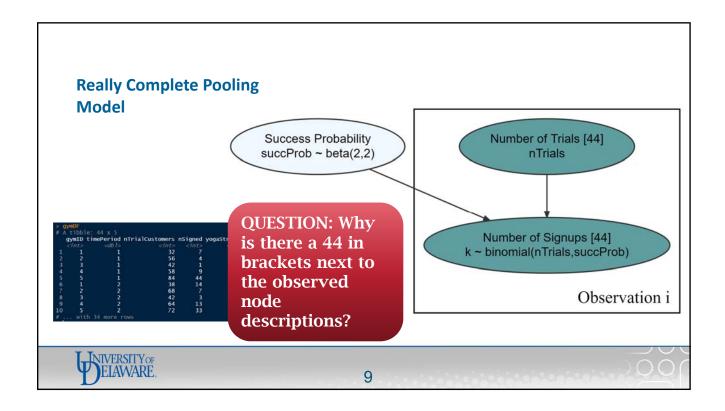
```
gymDF
A tibble: 44 x 5
gymID timePeriod nTrialCustomers nSigned yogaStretch
The Data
                                                                                               <int>
<int>
32
56
42
58
                                                     1
                                                                        1
                                                                                                                                           1
2
3
4
5
6
7
8
9
                                                     2
3
4
5
1
2
3
                                                                         1
                                                                                                                    1 9
                                                                         1
                                                                                                    84
38
                                                                                                                   44
                                                                         1
2
2
2
2
2
                                                                                                                   14
7
3
                                                                                                    68
42
64
72
                                                     4
                                                                                                                   13
                                                   with 34 more rows
NIVERSITY OF ELAWARE.
                                                                                  4
```

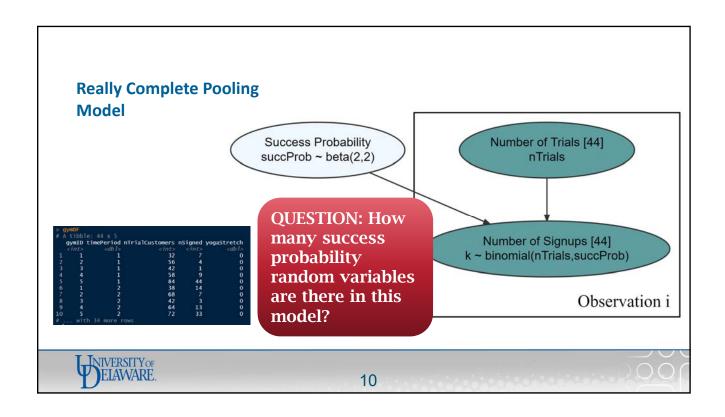


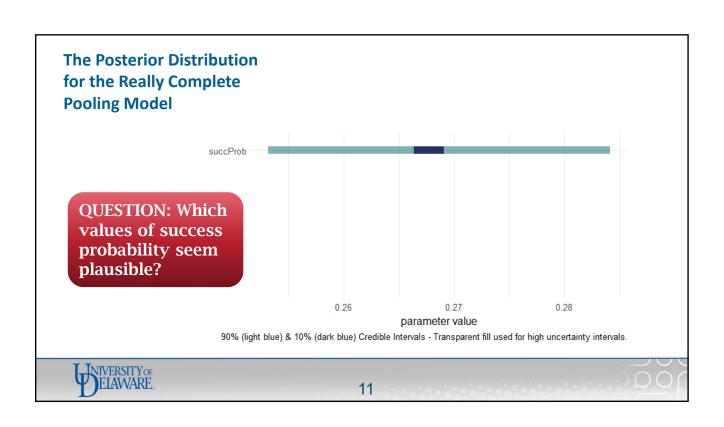


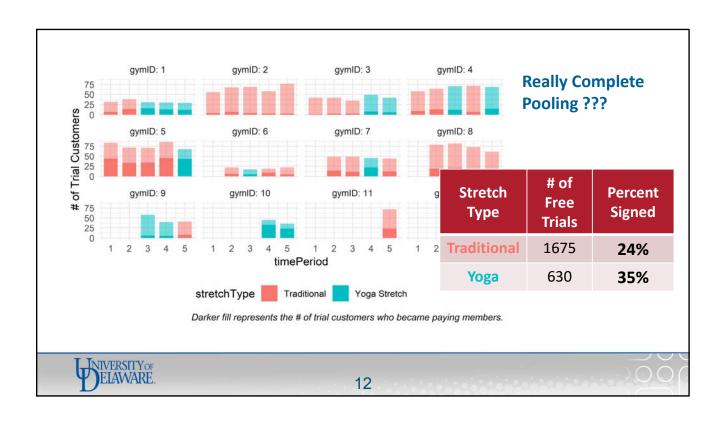


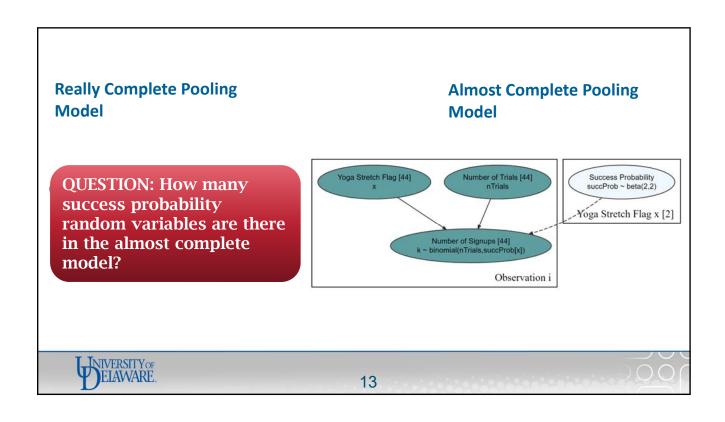


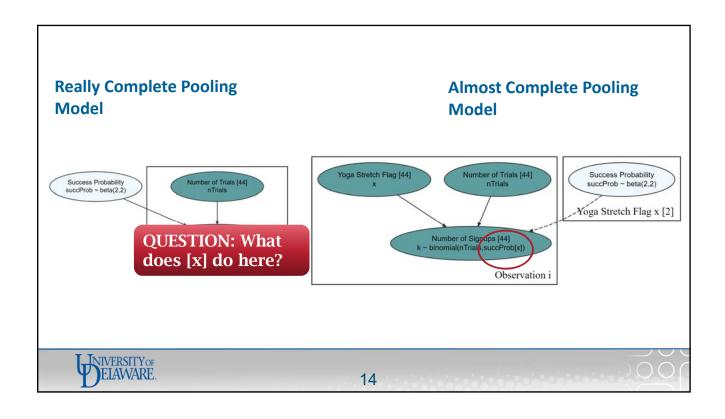


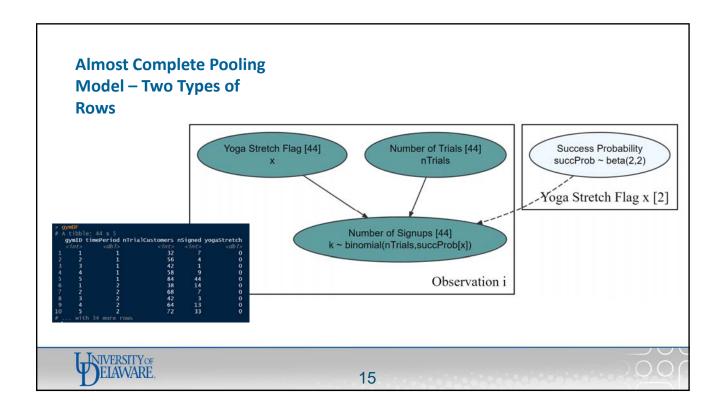


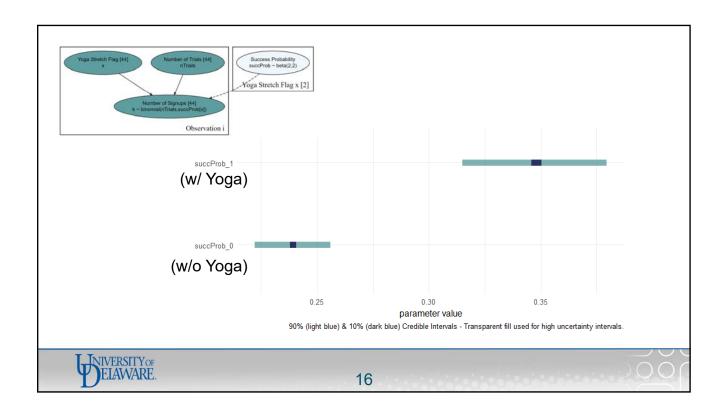


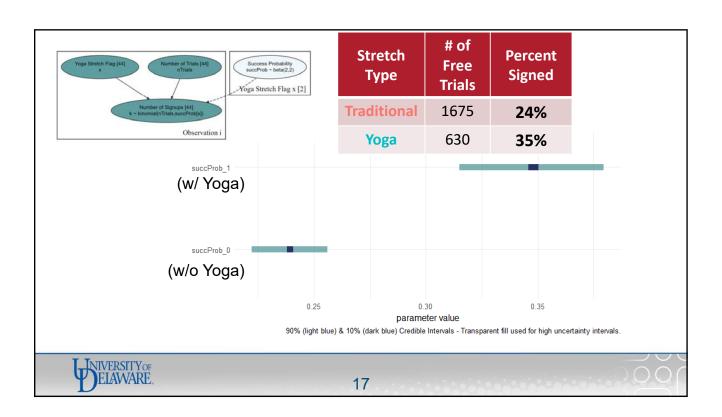


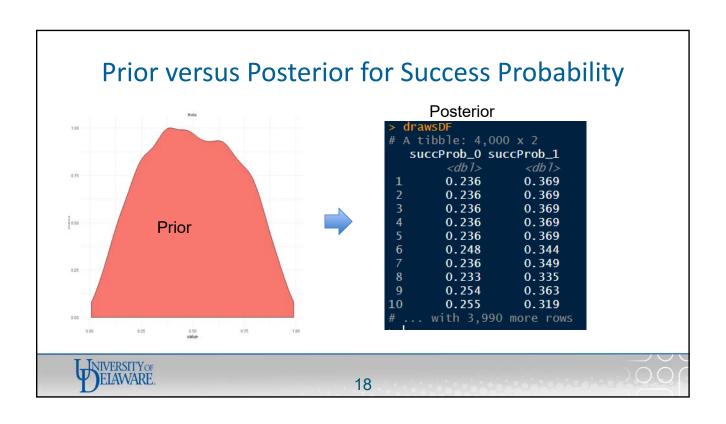


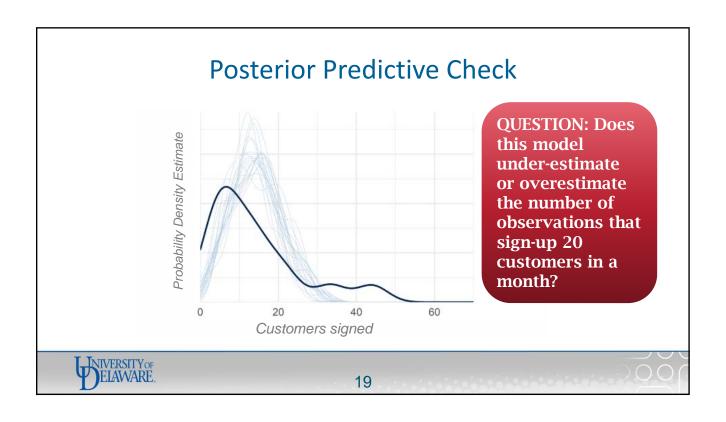


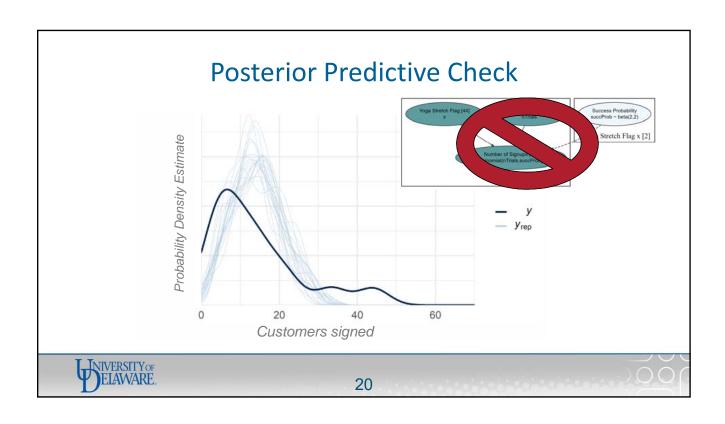


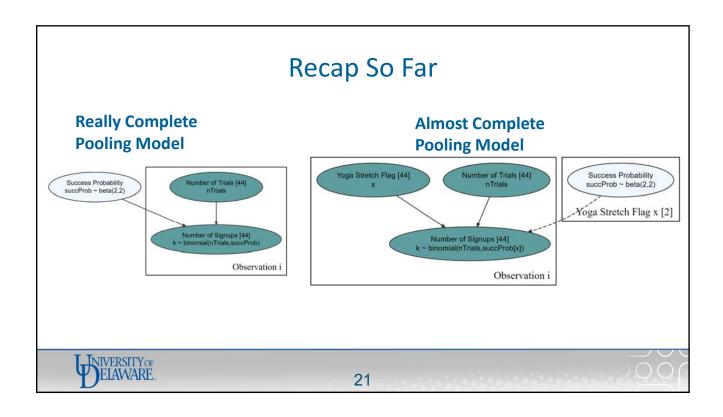












## Zero Pooling (we will not run this model)

```
gymID timePeriod nTrialCustomers nSigned yogaStretch
                                                                 0
                                      56
                                                  4
                                      58
                                                                 0
0
0
0
                                      84
                                                44
                                                14
7
3
                   2
2
2
2
2
                                      38
                                      68
                                                                 0
0
                                      42
                                      64
                                                13
```



22

## Zero Pooling (we will not run this model) Time Period [44] Gym ID [44] Yoga Stretch Flag [44] Number of Trials [44] Success Probability succProb ~ beta(2,2) Yoga Stretch Flag x [2] Gym ID j [12] **QUESTION: How** Time Period t [5] many different Number of Signups [44] ~ binomial(nTrials,succProb[x,j,t]) success probability random variables Observation i are assumed in this model? NIVERSITY OF ELAWARE. 23

