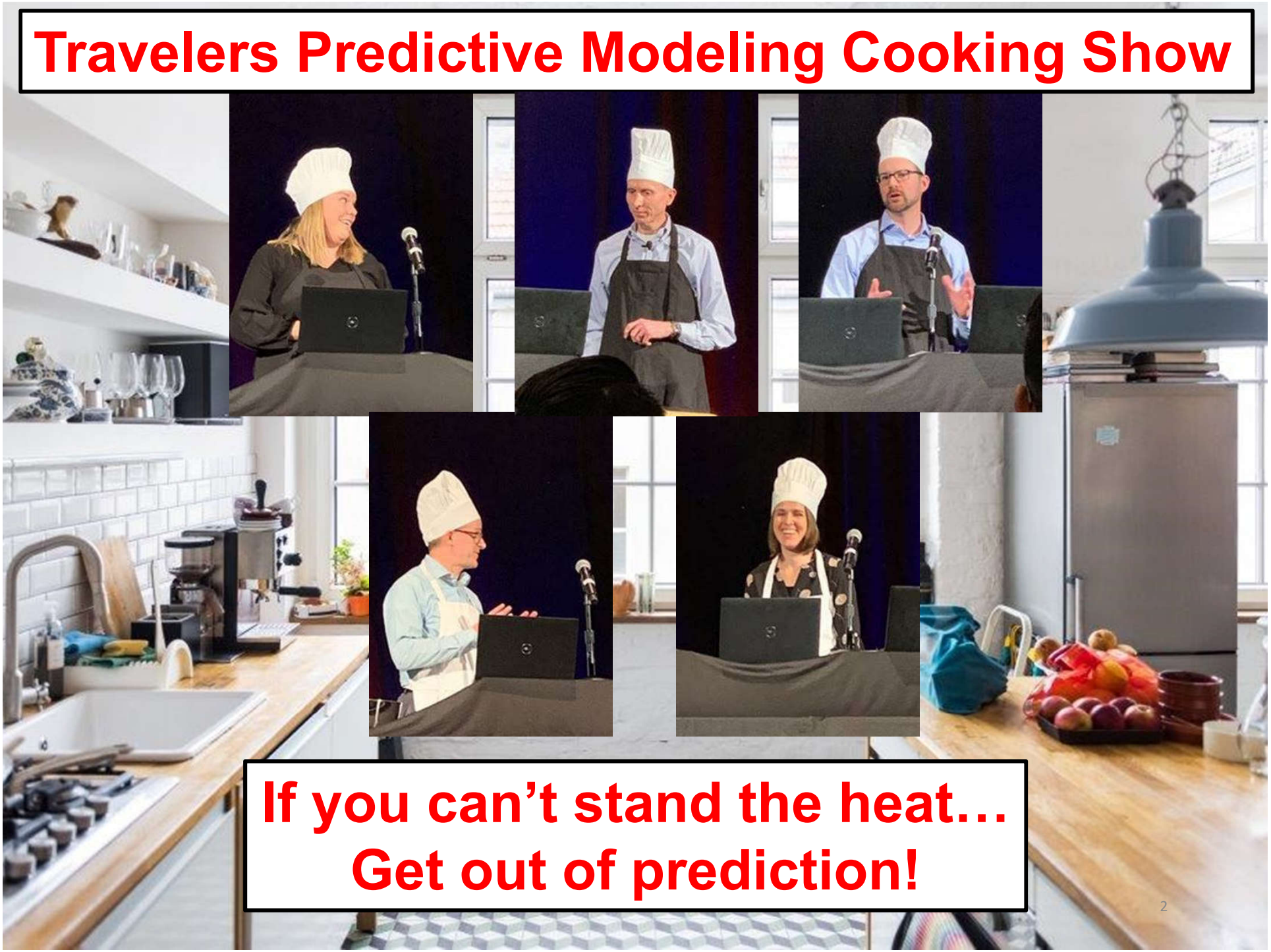
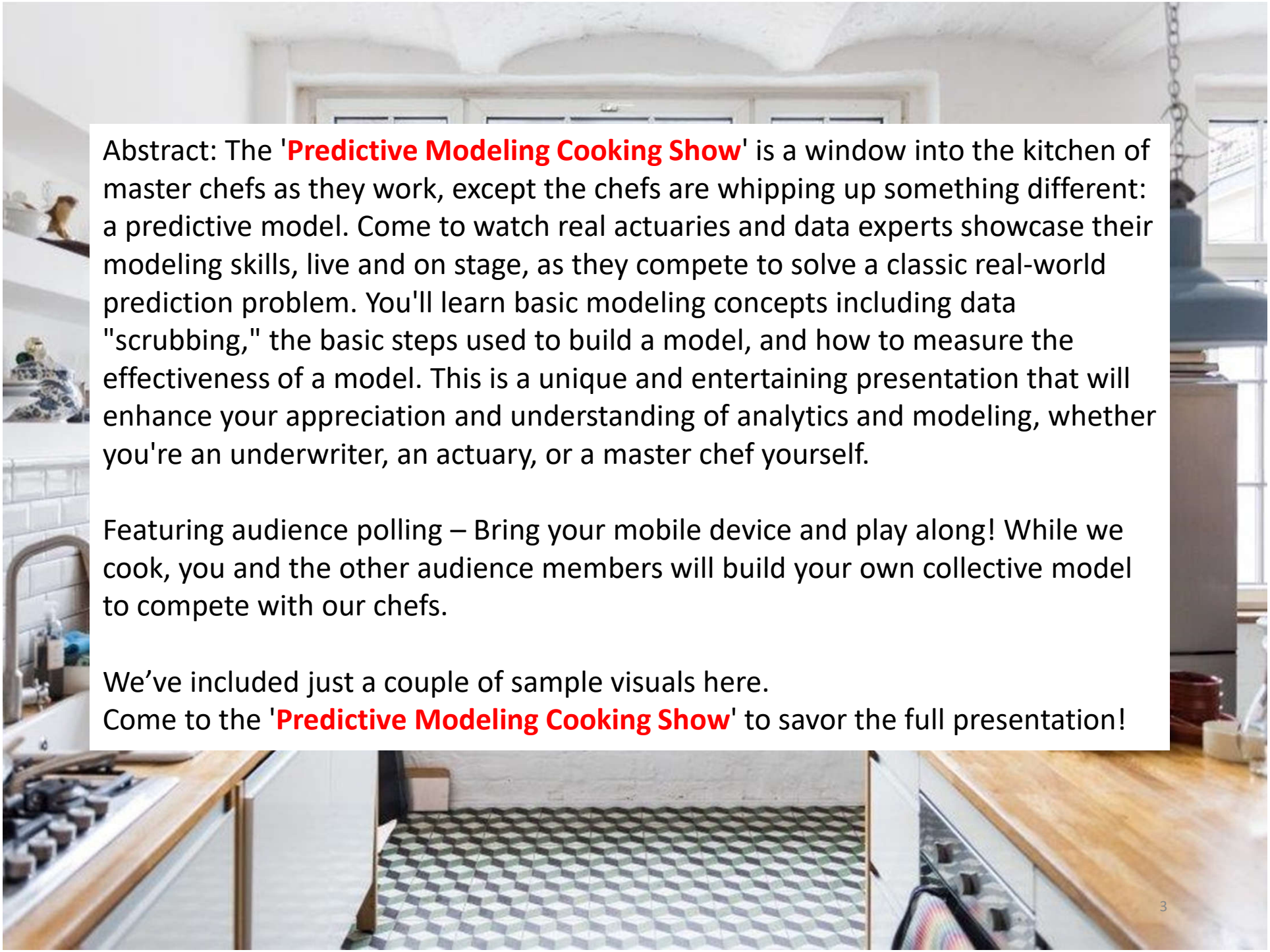
Travelers Predictive Modeling Cooking Show

Cooking Up a Model!

Travelers Predictive Modeling Cooking Show



If you can't stand the heat…
Get out of prediction!



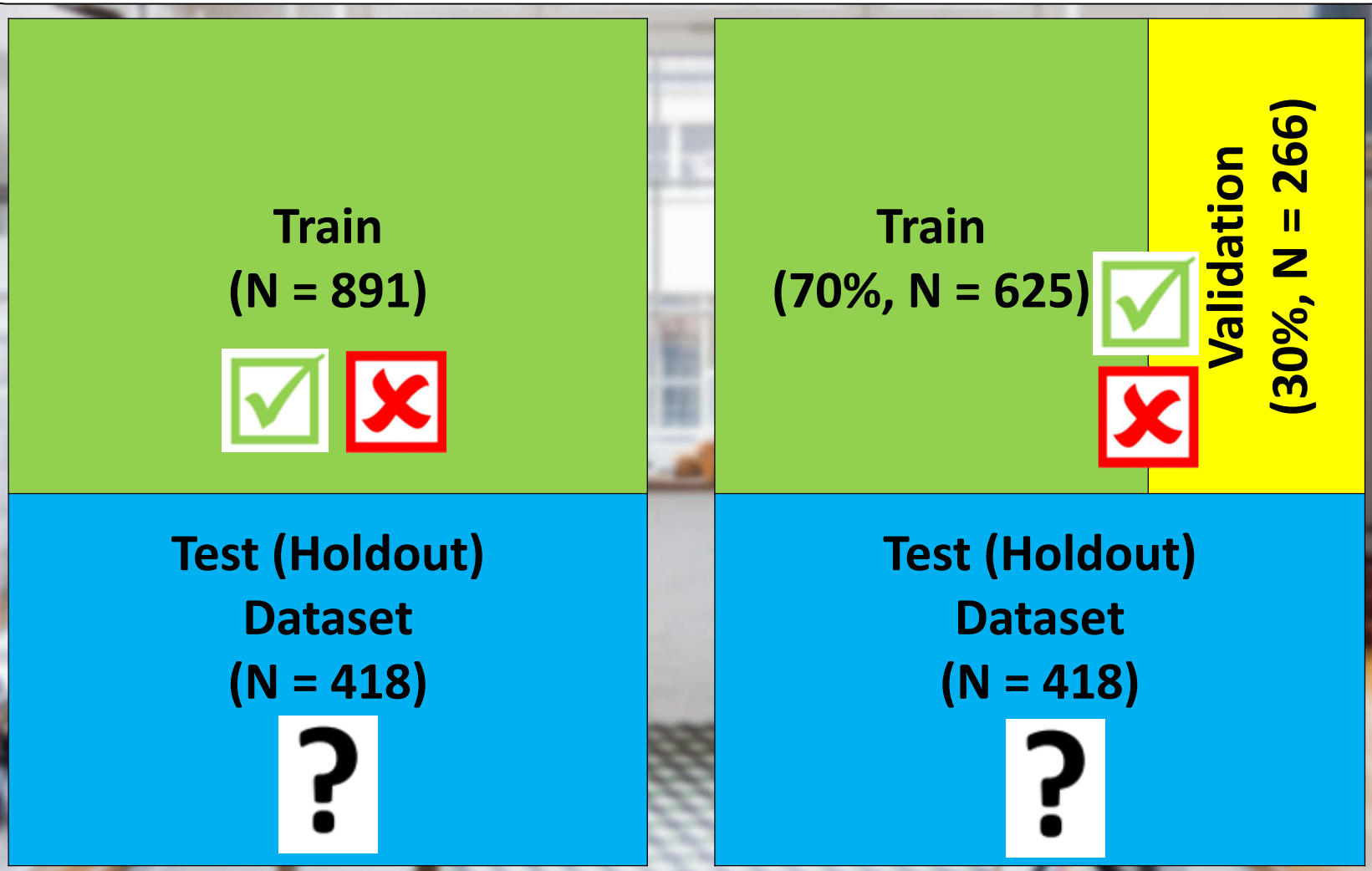
Abstract: The '**Predictive Modeling Cooking Show**' is a window into the kitchen of master chefs as they work, except the chefs are whipping up something different: a predictive model. Come to watch real actuaries and data experts showcase their modeling skills, live and on stage, as they compete to solve a classic real-world prediction problem. You'll learn basic modeling concepts including data "scrubbing," the basic steps used to build a model, and how to measure the effectiveness of a model. This is a unique and entertaining presentation that will enhance your appreciation and understanding of analytics and modeling, whether you're an underwriter, an actuary, or a master chef yourself.

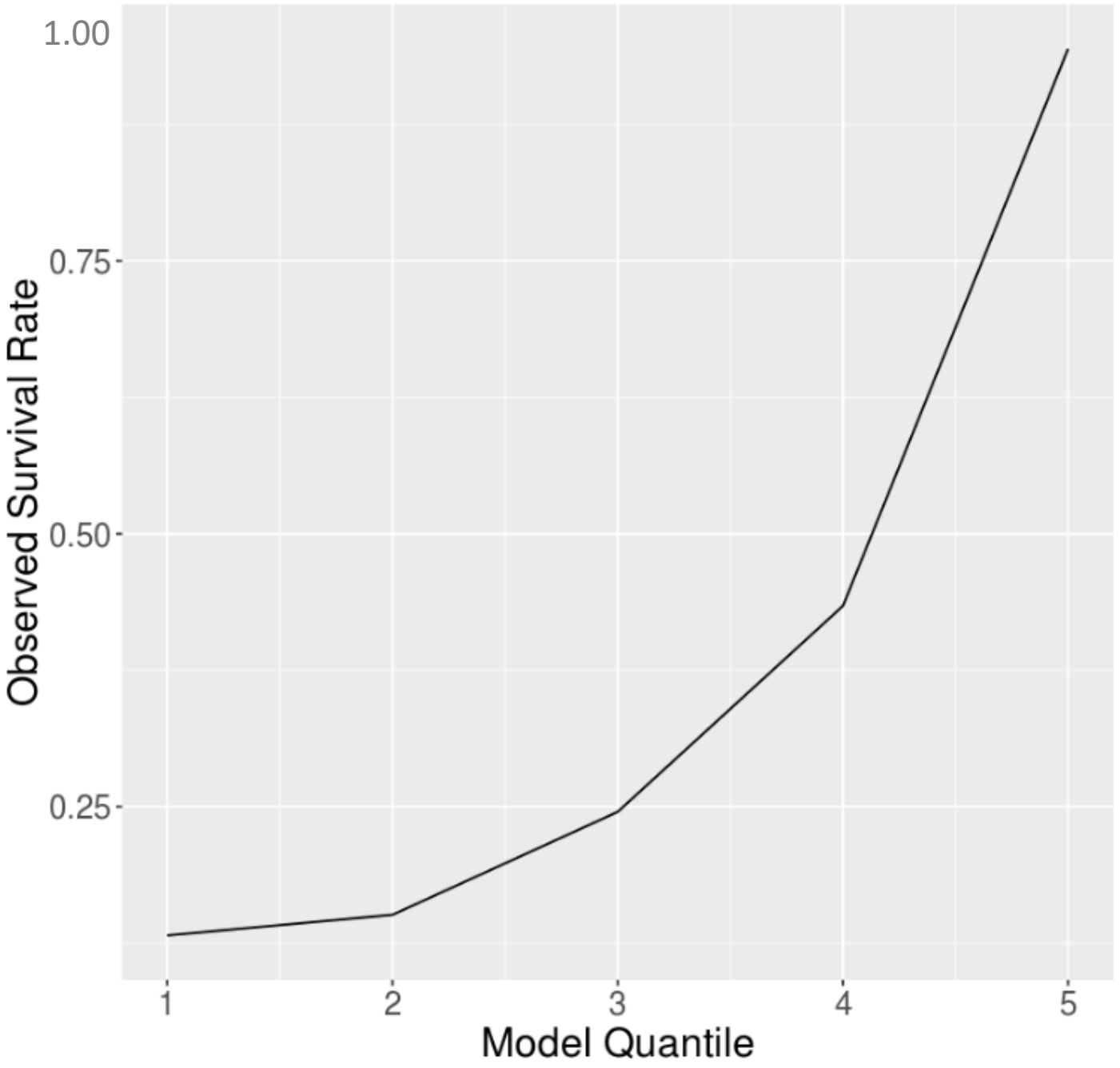
Featuring audience polling – Bring your mobile device and play along! While we cook, you and the other audience members will build your own collective model to compete with our chefs.

We've included just a couple of sample visuals here.
Come to the '**Predictive Modeling Cooking Show**' to savor the full presentation!

 # Train/Val Split

```
a <- createDataPartition(train$Survived, p=.7, list=FALSE)
tr <- train[a,]
val <- train[-a,]
```




1.00
0.75
0.50
0.25
Observed Survival Rate
1
2
3
4
5
Model Quantile