

Travelers Predictive Modeling Cooking Show

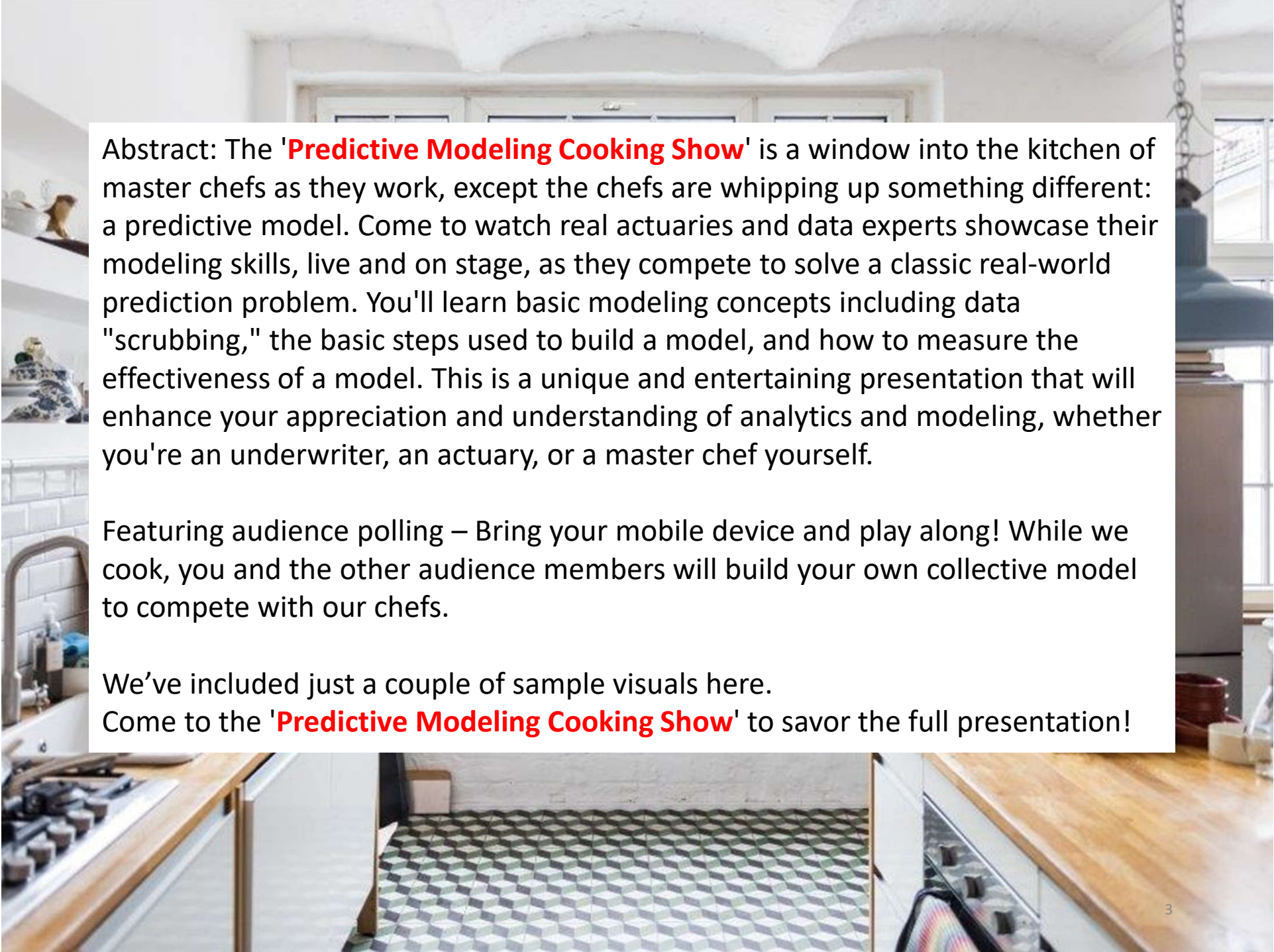
Cooking Up a Model!



Travelers Predictive Modeling Cooking Show



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

A kitchen scene with a window and a white tiled wall. The window has a white frame and is set into a white wall. To the left of the window, there is a white tiled wall with a small shelf holding a figurine. To the right, there is a wooden countertop and a window with a view of the outdoors. The overall scene is bright and clean.

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,]
```

Train
(N = 891)



Test (Holdout)
Dataset
(N = 418)



Train
(70%, N = 625)



Validation
(30%, N = 266)

Test (Holdout)
Dataset
(N = 418)



