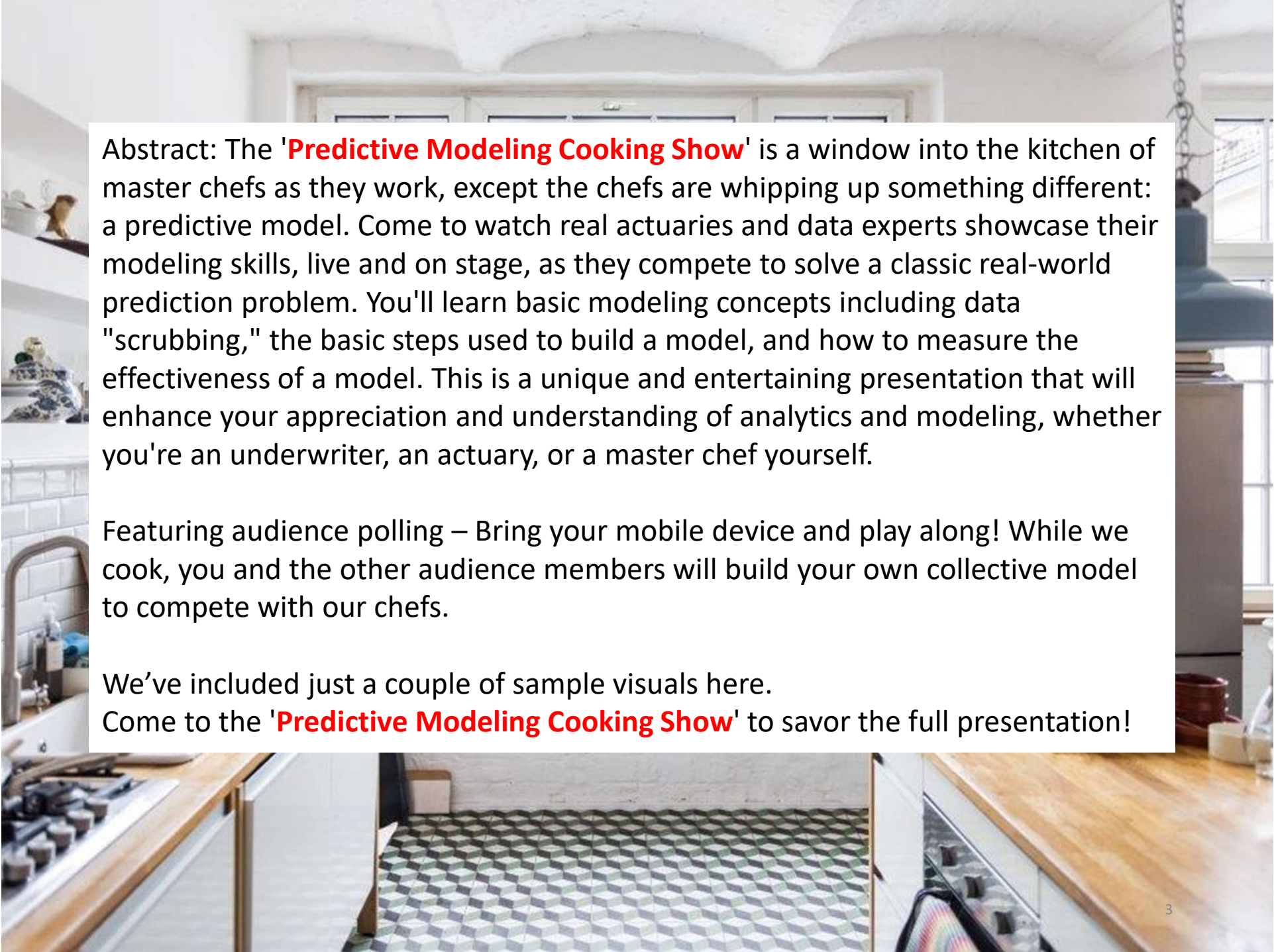


Travelers Predictive Modeling Cooking Show

Cooking Up a Model!



The background of the slide is a kitchen. At the top, there is a window with a white frame and a decorative arch above it. To the left, a white tiled wall is visible, with a small shelf holding a figurine. To the right, a wooden countertop and a blue pendant light are partially visible. The text is overlaid on a white rectangular box in the center of the image.

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)



