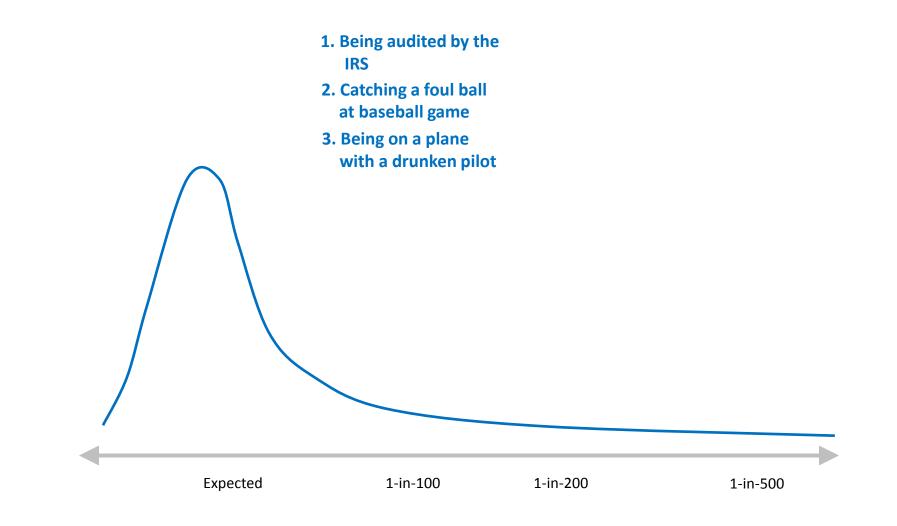


# **Probabilistic Decision Making**

Tim Borst Director, Risk & Return Management Allstate Insurance Company October 2, 2017

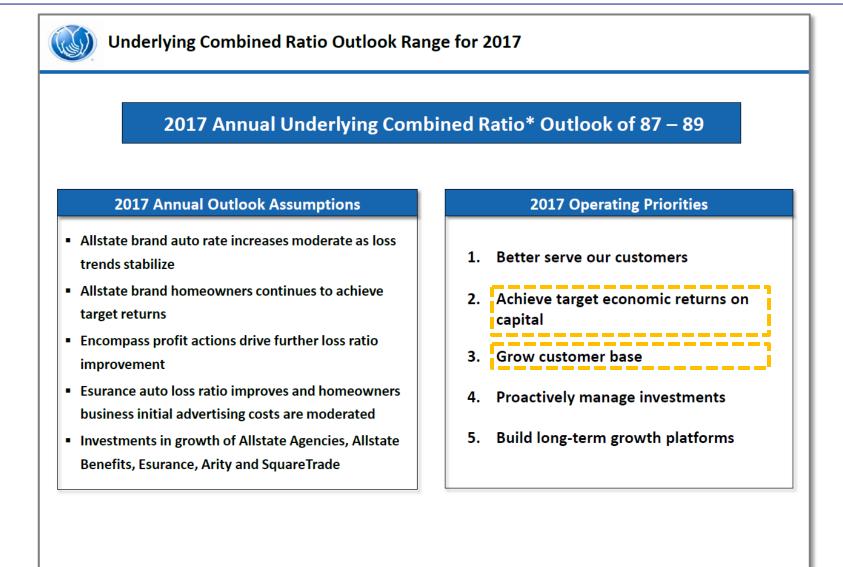
## Time for a probabilistic gut check



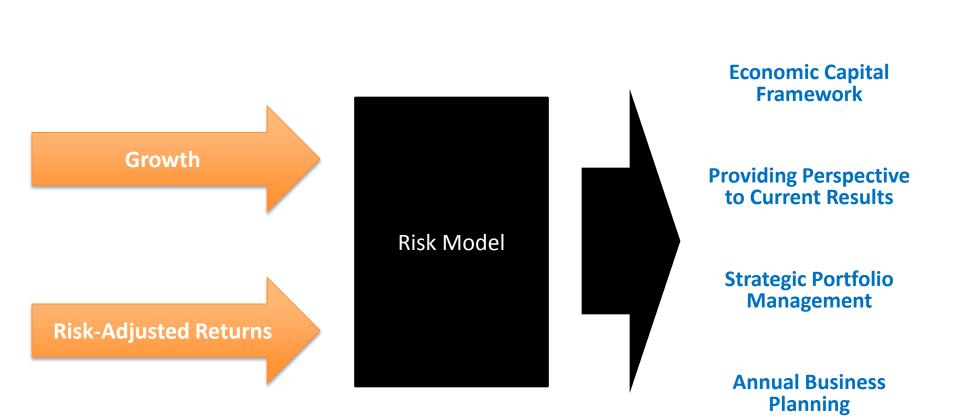


## Our focus depends on who we want to be!





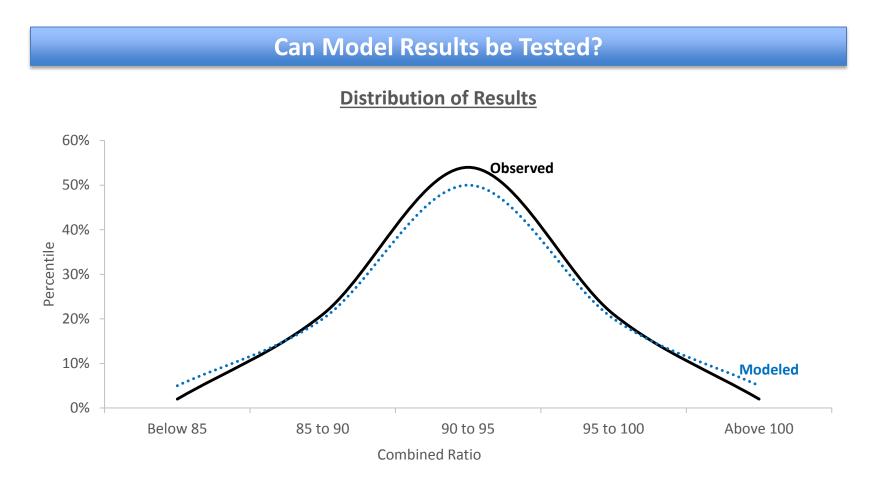
## How can probabilistic models help?



# Demystifying the black box... or "Beware of geeks bearing formulas!"



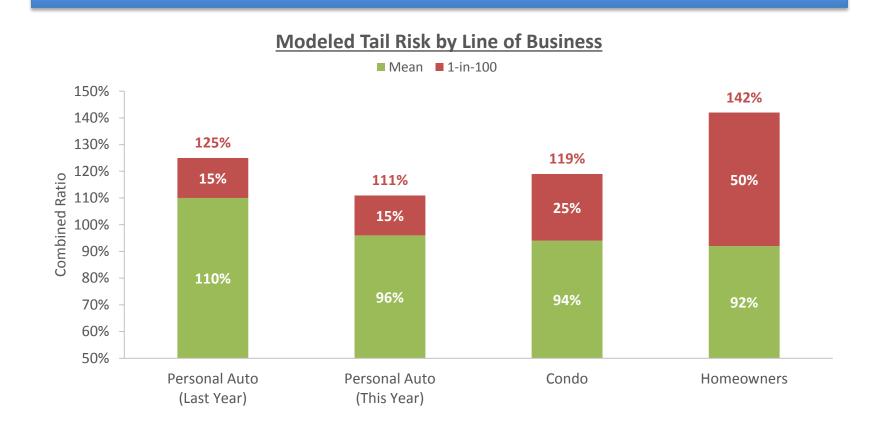
• Focus on "positive analysis" & intuition



# Demystifying the black box... or "Beware of geeks bearing formulas!"



• Focus on "positive analysis" & intuition



**Are Model Results Intuitive?** 



#### **Transparency Into Model Results**



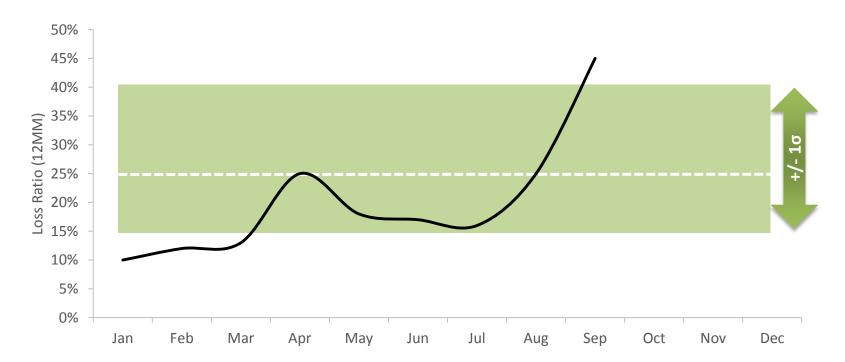
## From theoretical to practical



• Economic capital is theoretical and strategic, but the near-term matters too!

### **Providing Perspective to Current Results**

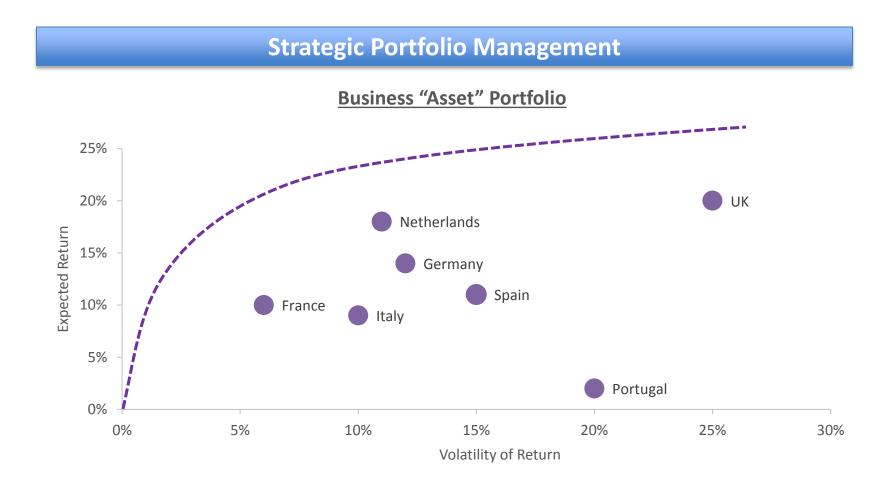




## Driving action with model results can be done elegantly...



Optimizing risk & return requires coordination across entire business system







• Optimizing risk & return requires coordination across entire business system

#### **Annual Business Planning**



