# **SUPERFORECASTING**

The Art and Science of Prediction

SUPERFORECASTING

THE ART AND SCIENCE OF PREDICTION

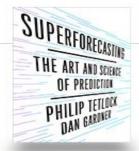
PHILIP TETLOCK DAN GARDNER



### 2004 2012

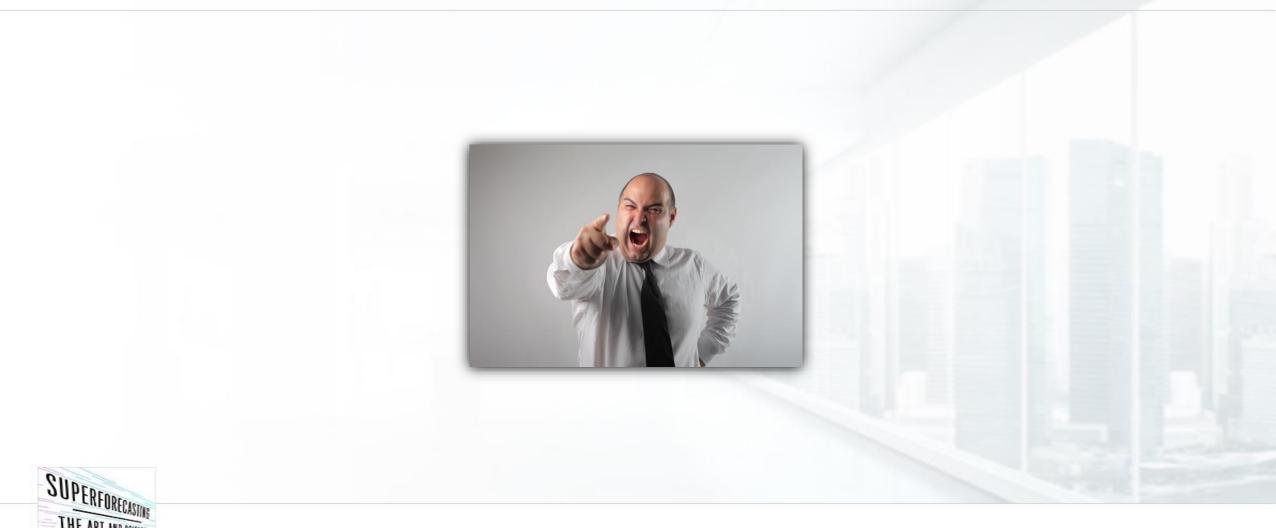


"Will either the French or Swiss inquiries find elevated levels of polonium in the remains of Yasser Arafat's body?"



#### SUPERFORECASTING The Art and Science of Prediction

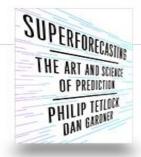
#### The ideologue method





### The TV pundit method



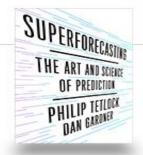


#### **SUPERFORECASTING**

The Art and Science of Prediction

### Superforecasting





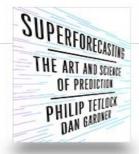


### **Superforecasters**

Not specialist knowledge

Not genius-level intelligence

Not arcane math





#### **Superforecasters**

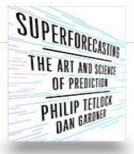
Active open-mindedness

Need for cognition

Intellectual curiosity

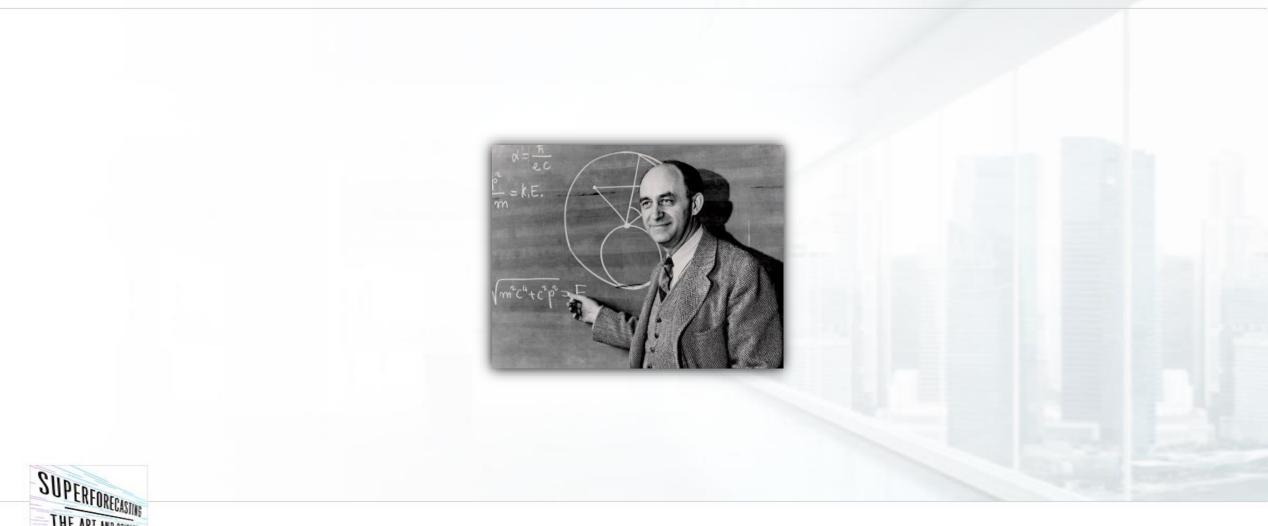
Desire to practice and improve

Intellectual humility





#### **Unpacking the question**

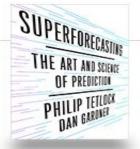




#### Attribute substitution



"Will either the French or Swiss inquiries find elevated levels of polonium in the remains of Yasser Arafat's body?"

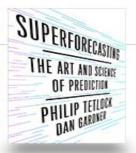


#### SUPERFORECASTING The Art and Science of Prediction

"Will either the French or Swiss inquiries find elevated levels of polonium in the remains of Yasser Arafat's body?"

Scientists must be able to detect polonium in remains eight years after death

- 1. Israel poisoned Yasser Arafat
- 2.A Palestinian rival poisoned Arafat
- 3. Someone planted polonium





## Summing up

1. Slow down

2. Focus on the forecast

3. Unpack the question

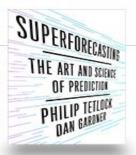
4. Seek multiple perspectives

5. Be actively open-minded

6. Think probabilistically

7. Look for mistakes

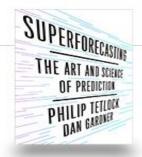
8. Learn from practice



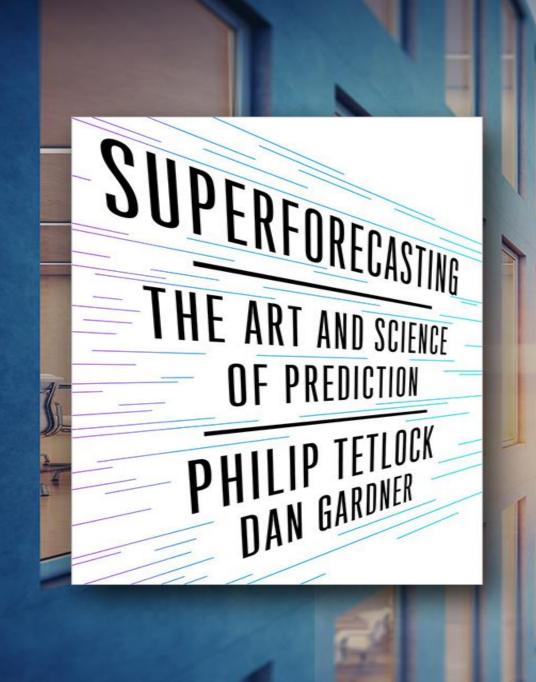


### A cautionary tale









## **SUPERFORECASTING**

The Art and Science of Prediction