

# Distinguishing Signal from Noise in Metrics

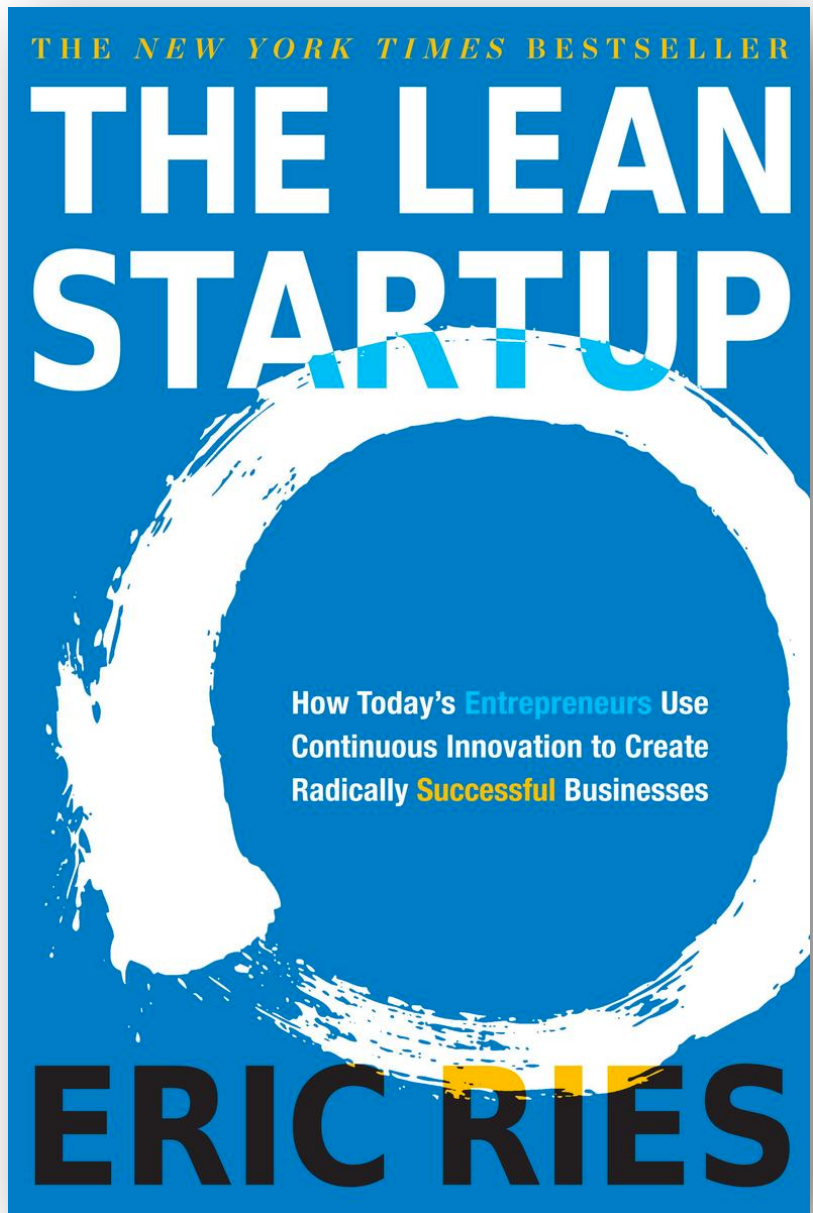


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"If we stopped wasting people's time, what would they do with it?"

What are the  
right metrics?



"The fact that your site has seen an uptick in visitors doesn't mean your product is more popular or you're more successful."

What do we do  
with the  
right metrics?

"The fact that your site has seen an uptick in visitors doesn't mean *your site is getting more visitors.*"

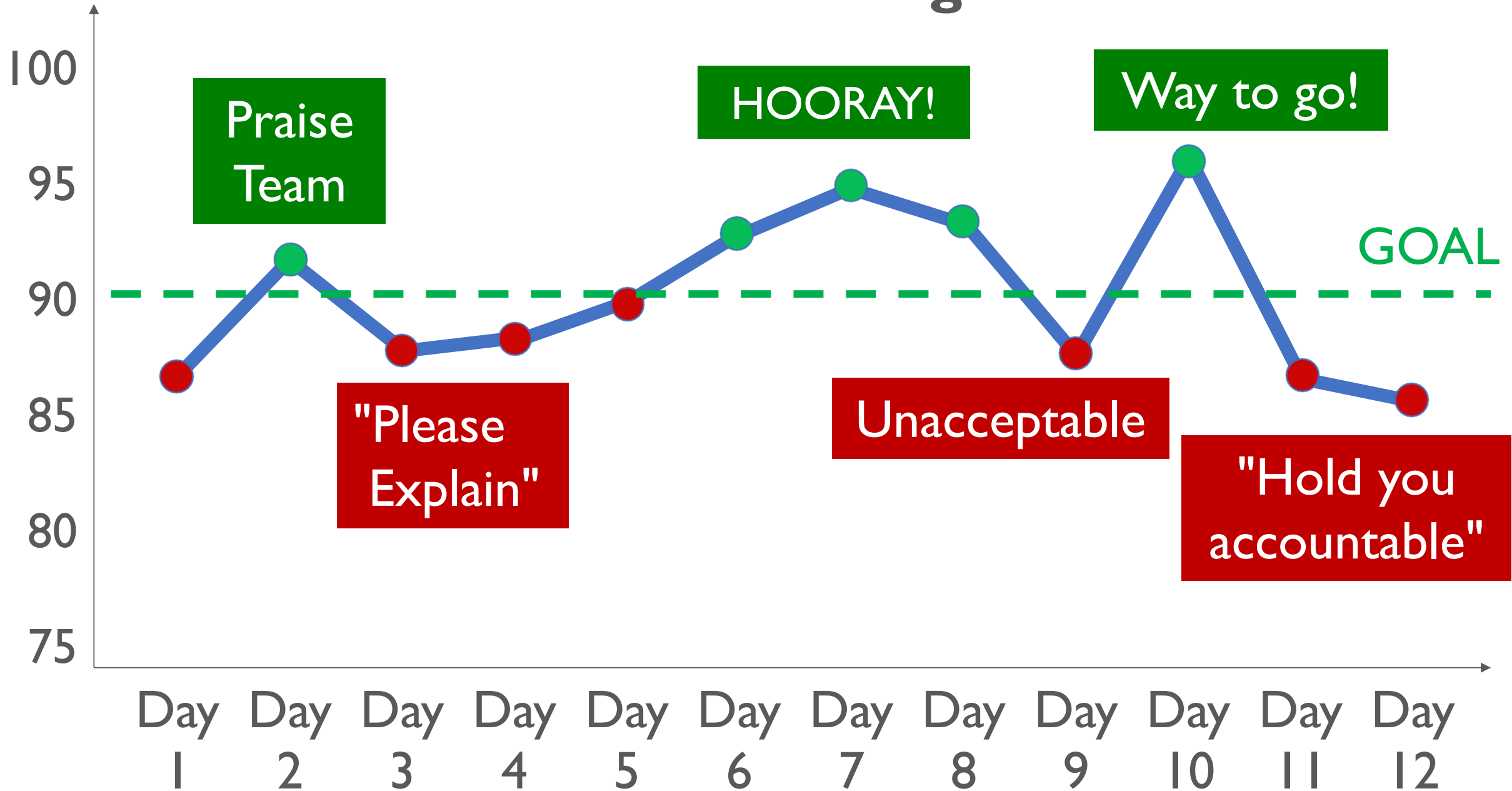


# OVERREACTION

~~Actionable~~

## Metrics

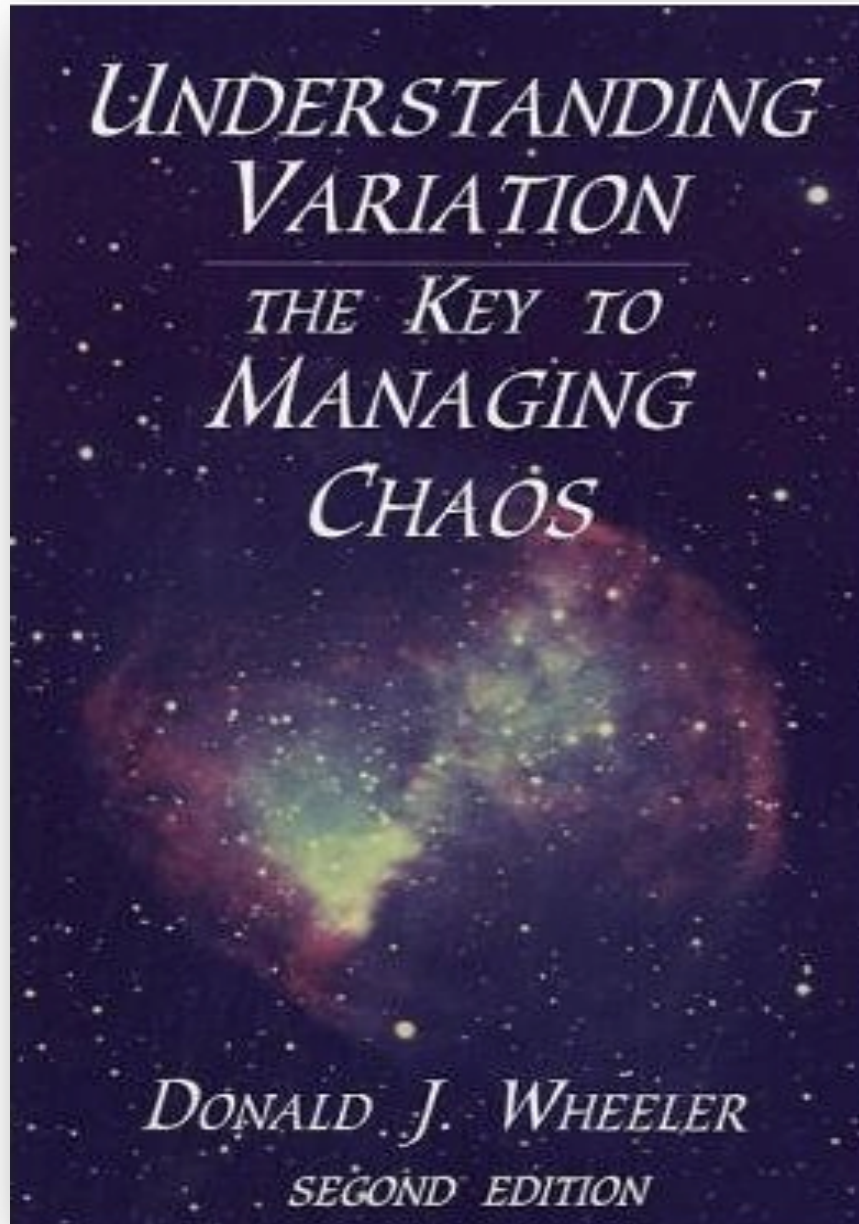
# New Premium User Registrations



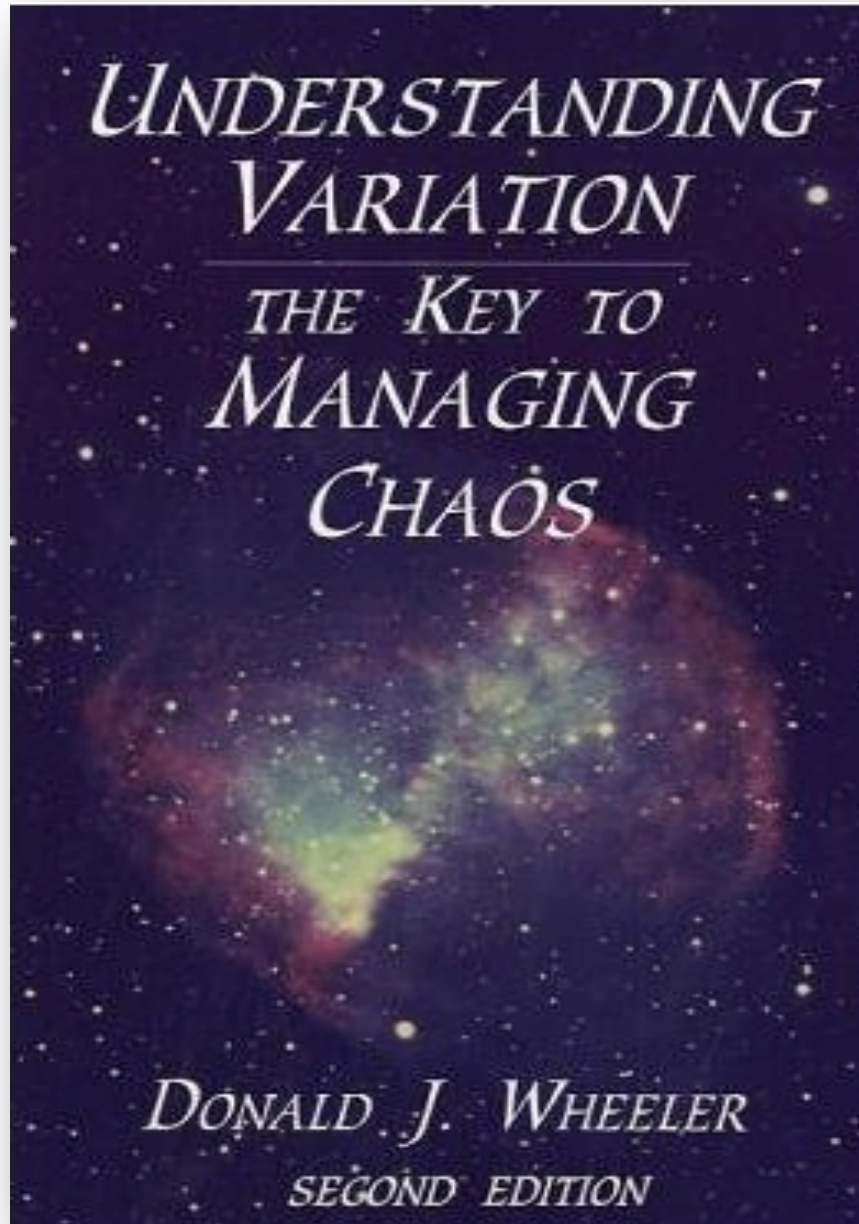


Don't waste time  
explaining noise

There is no  
"root cause"  
for noise



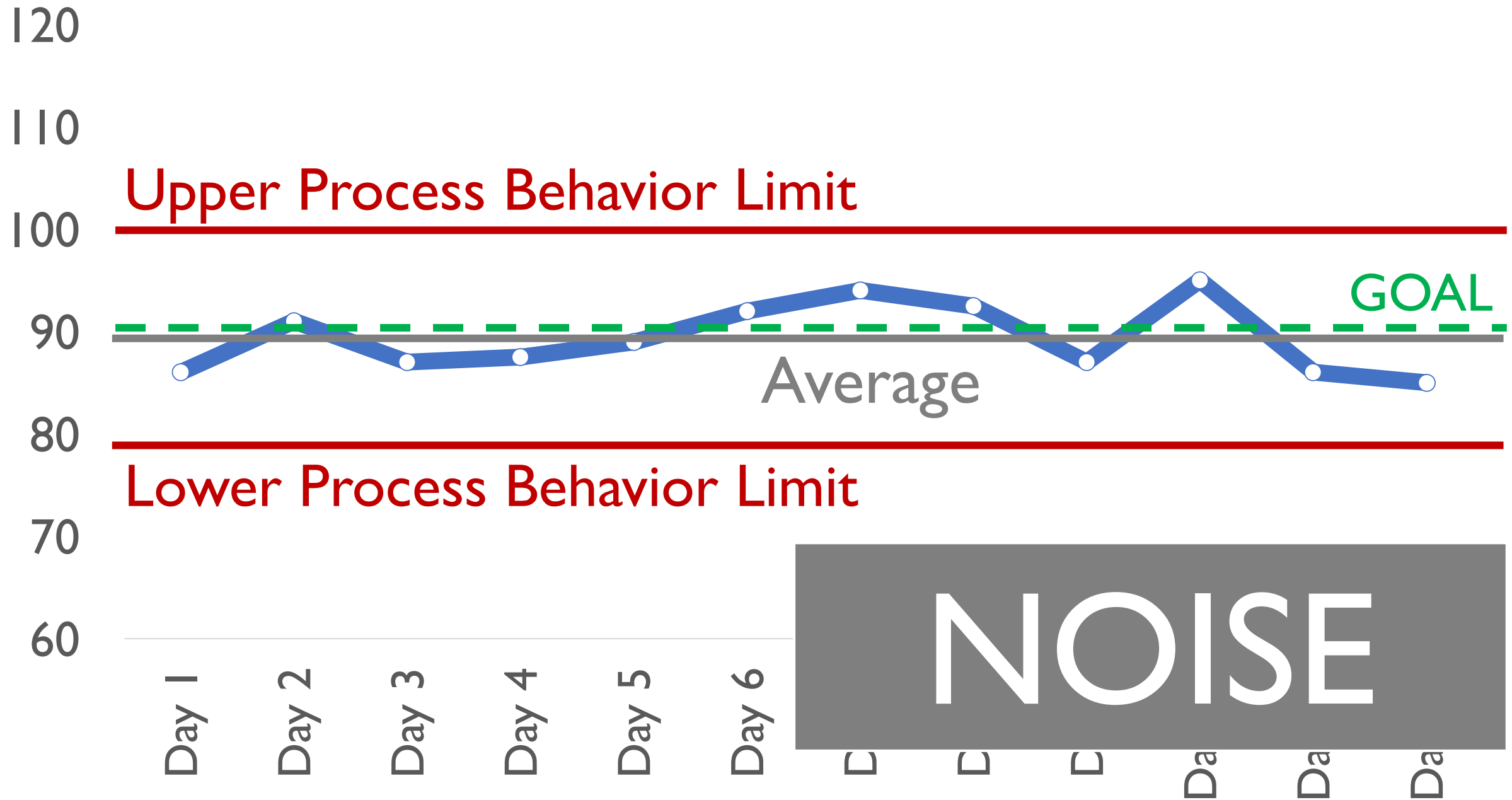
"While **every** data set contains noise,  
  
**some** data sets may contain signals."



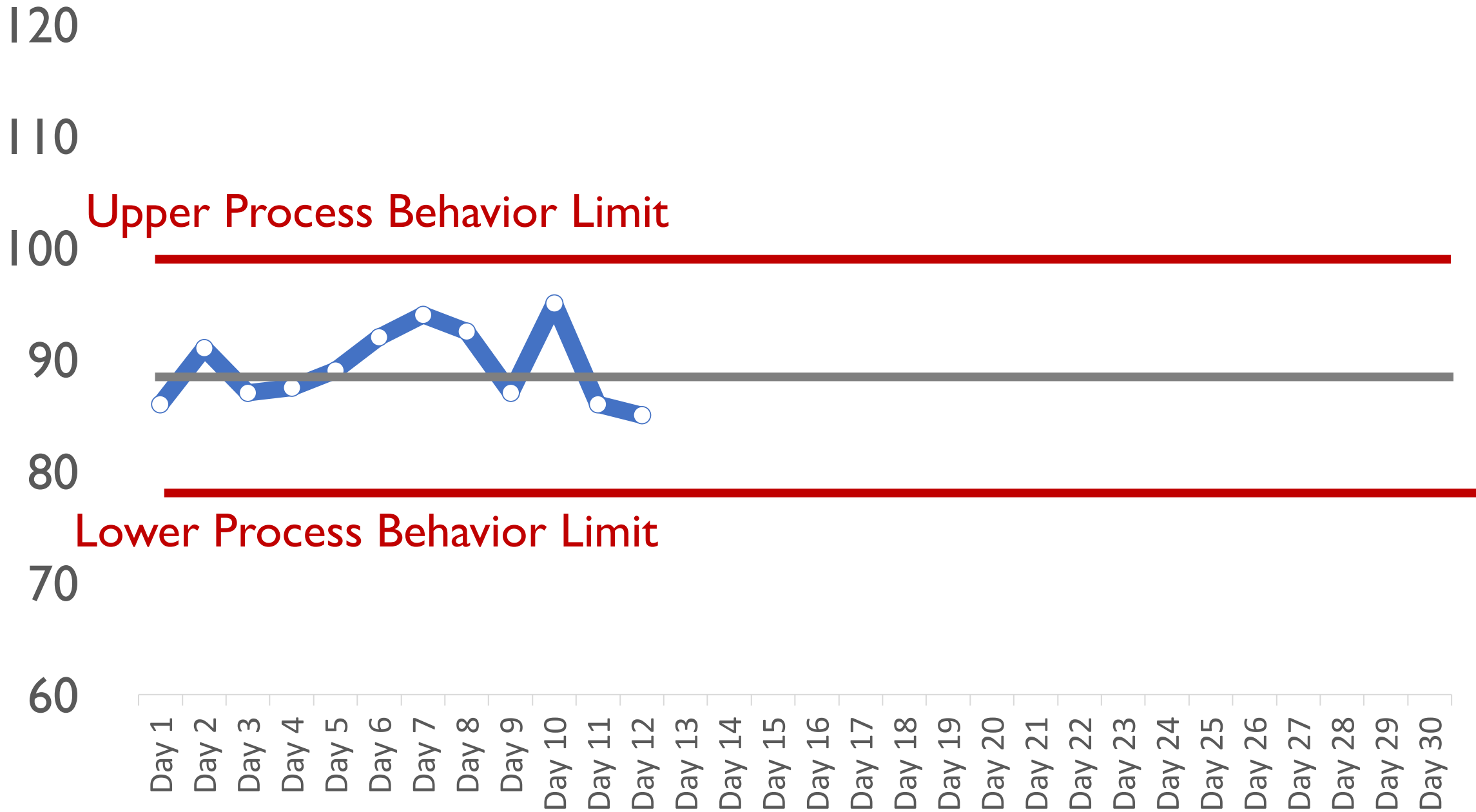
"Before you can detect a signal within any given data set, you **must first filter out the noise.**"

# "Process Behavior Charts"

# New Premium User Registrations

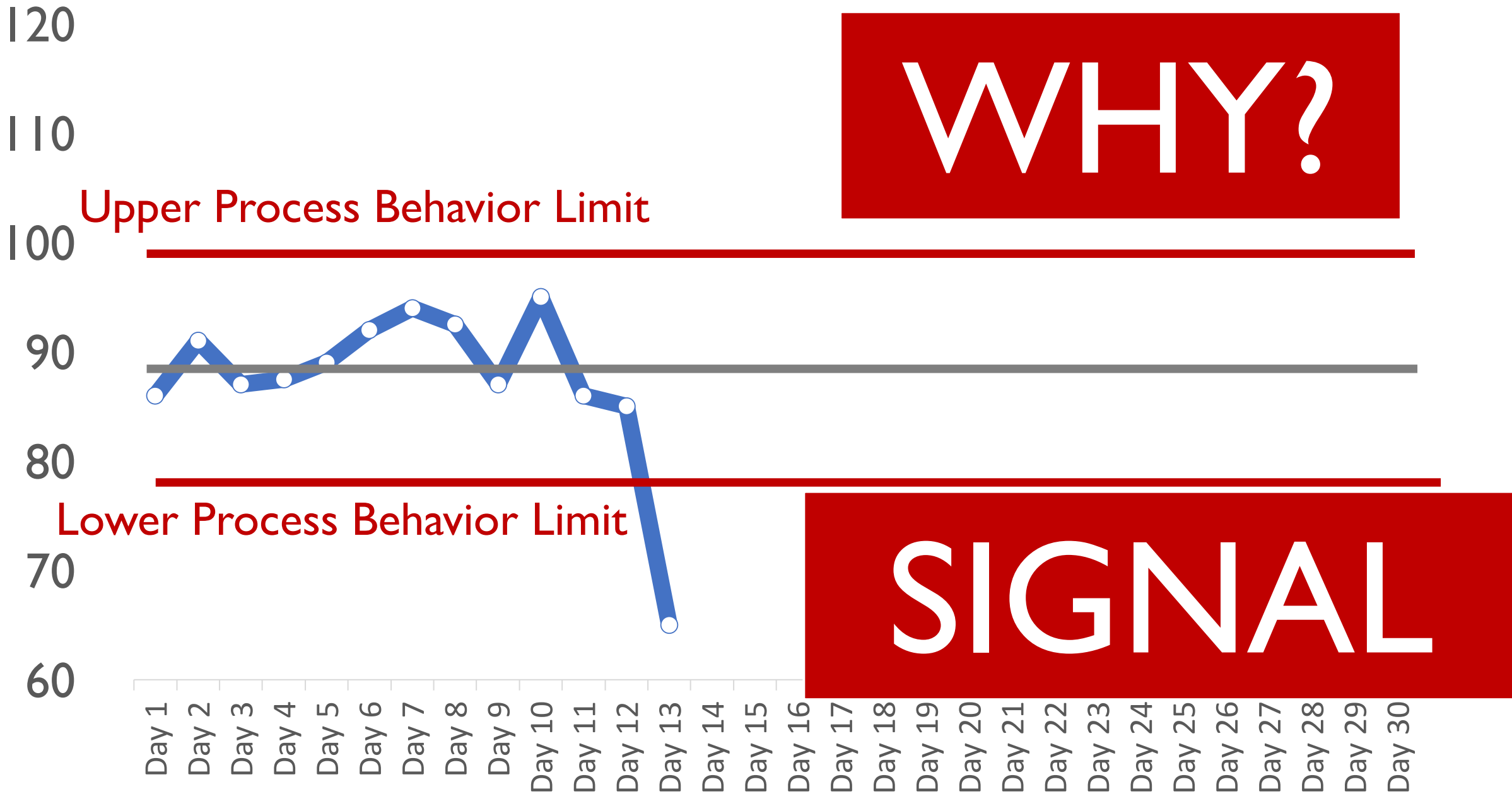


# New Premium User Registrations



# New Premium User Registrations

WHY?



SIGNAL

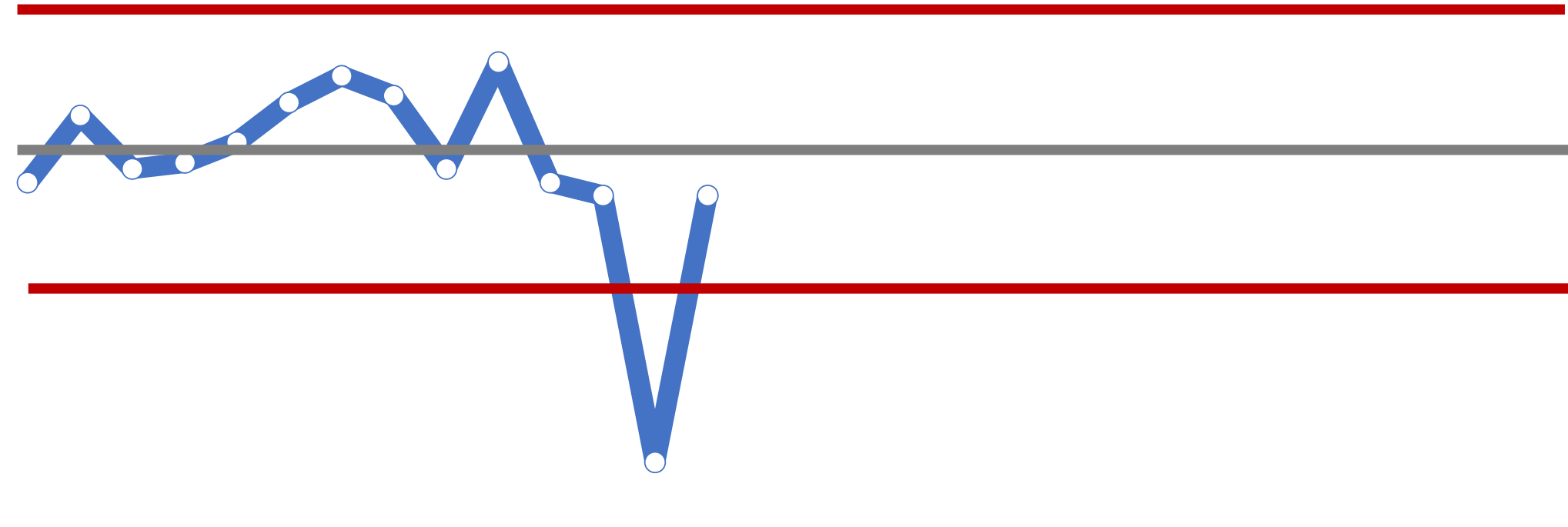


There might be a  
"root cause"  
for a signal

# New Premium User Registrations

120  
110  
100  
90  
80  
70  
60

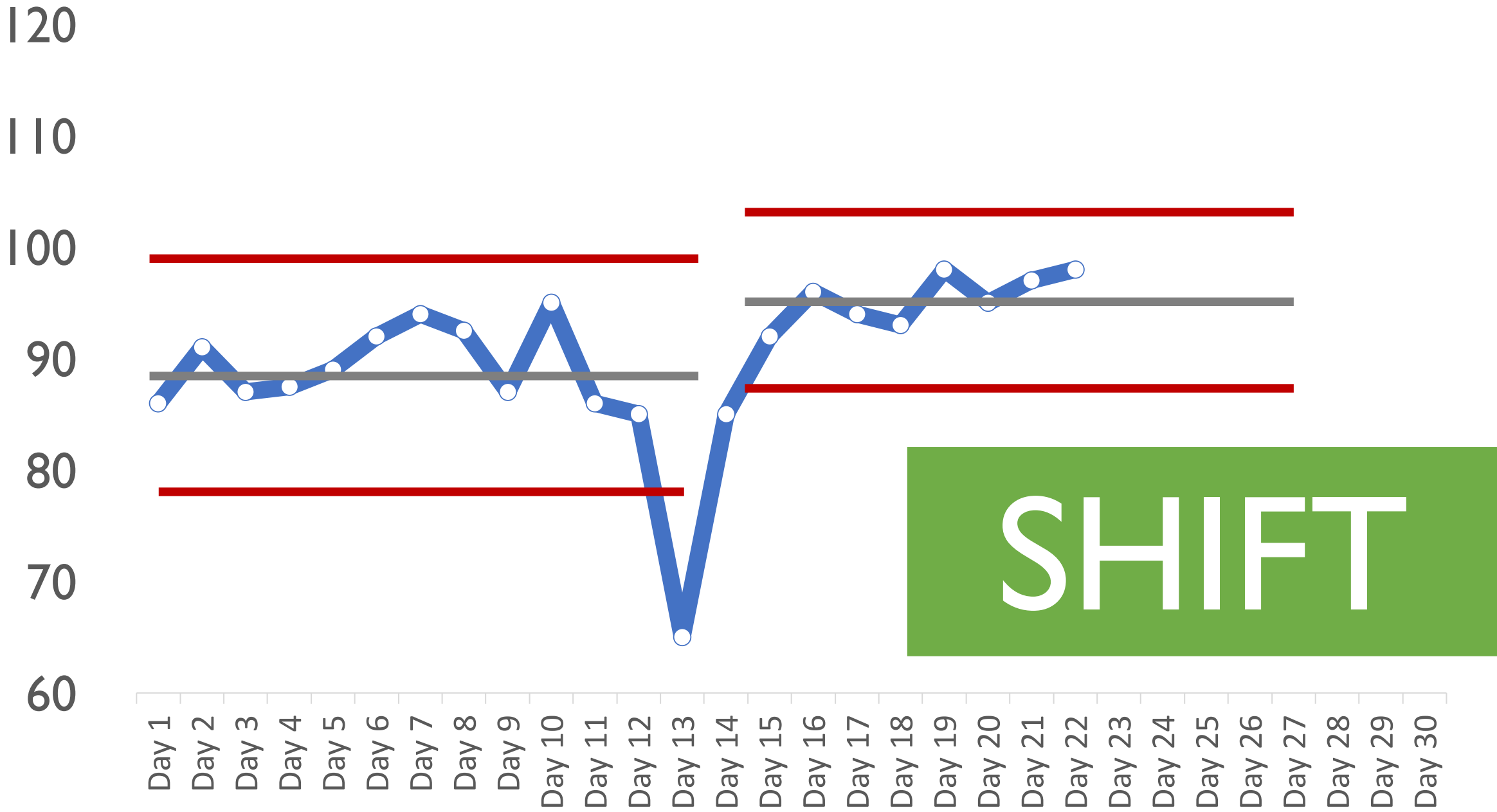
Day 1  
Day 2  
Day 3  
Day 4  
Day 5  
Day 6  
Day 7  
Day 8  
Day 9  
Day 10  
Day 11  
Day 12  
Day 13  
Day 14  
Day 15  
Day 16  
Day 17  
Day 18  
Day 19  
Day 20  
Day 21  
Day 22  
Day 23  
Day 24  
Day 25  
Day 26  
Day 27  
Day 28  
Day 29  
Day 30



# New Premium User Registrations



# New Premium User Registrations



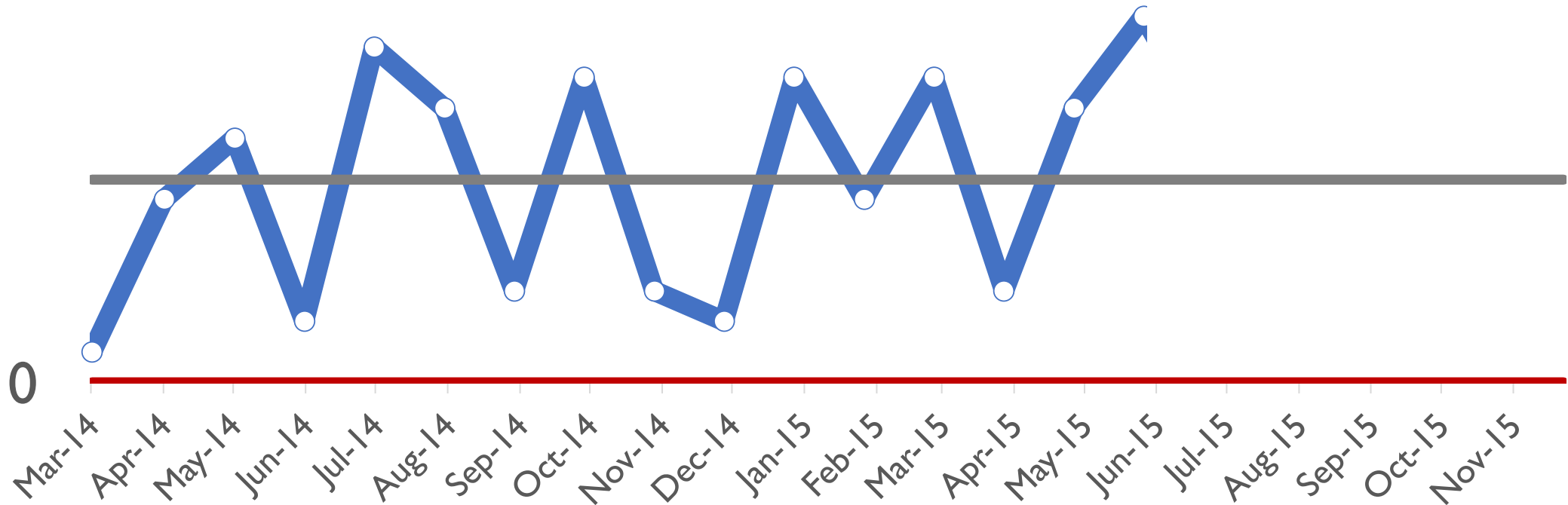
"Why were leads  
down last month?"



# Tier I Leads

Upper Process Behavior Limit  
20X

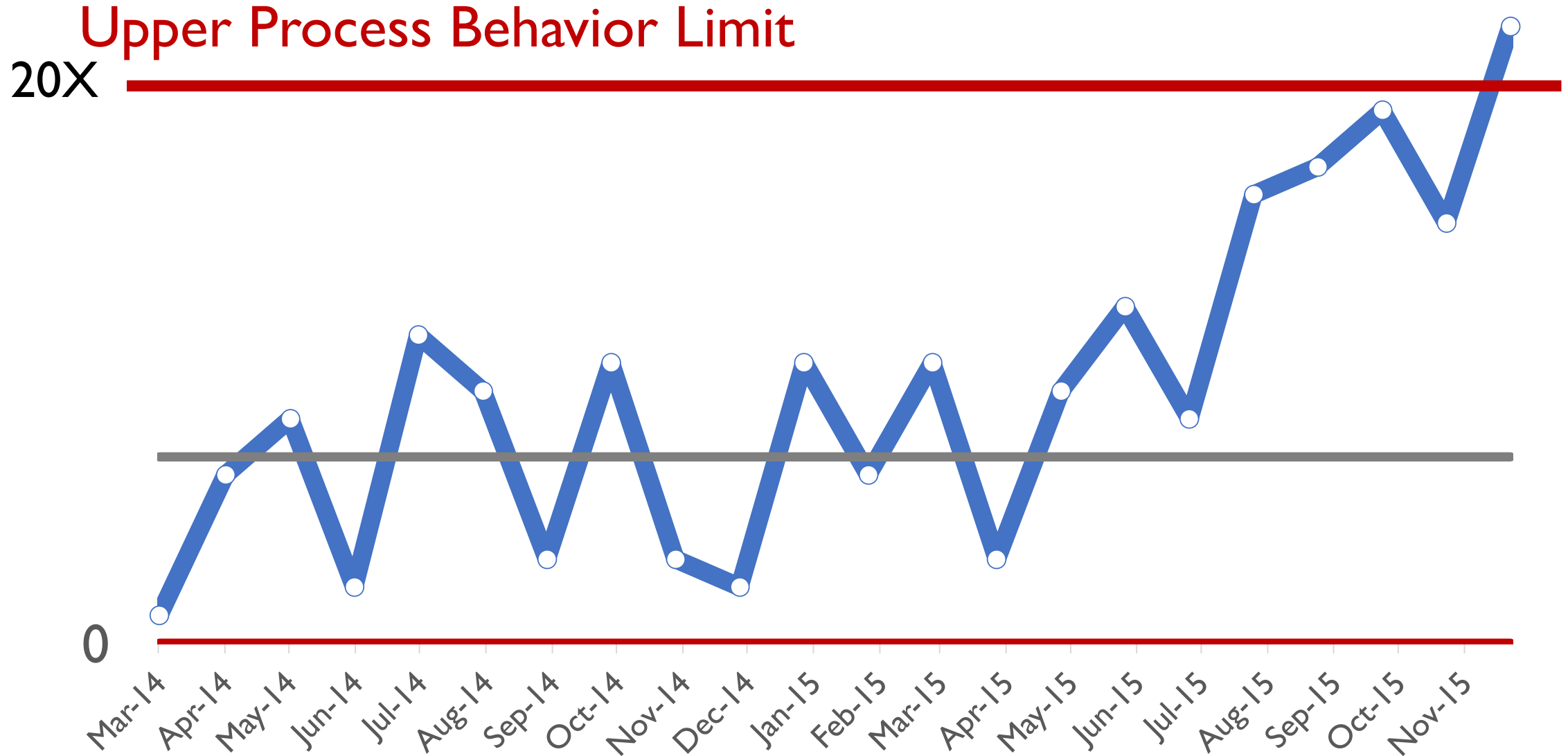
NOISE



Don't waste  
people's time  
"writing fiction"



# Tier I Leads



# Tier I Leads

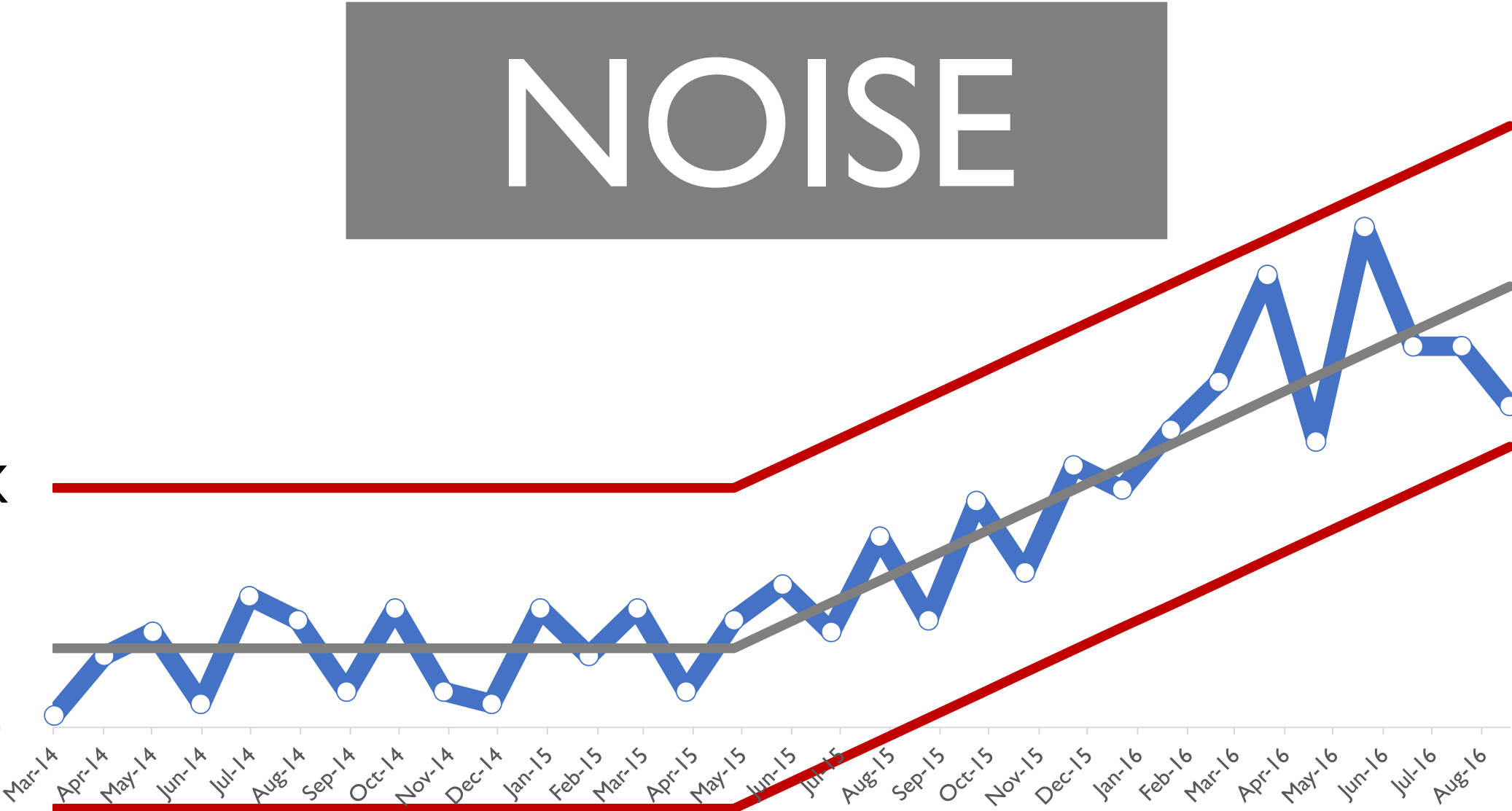


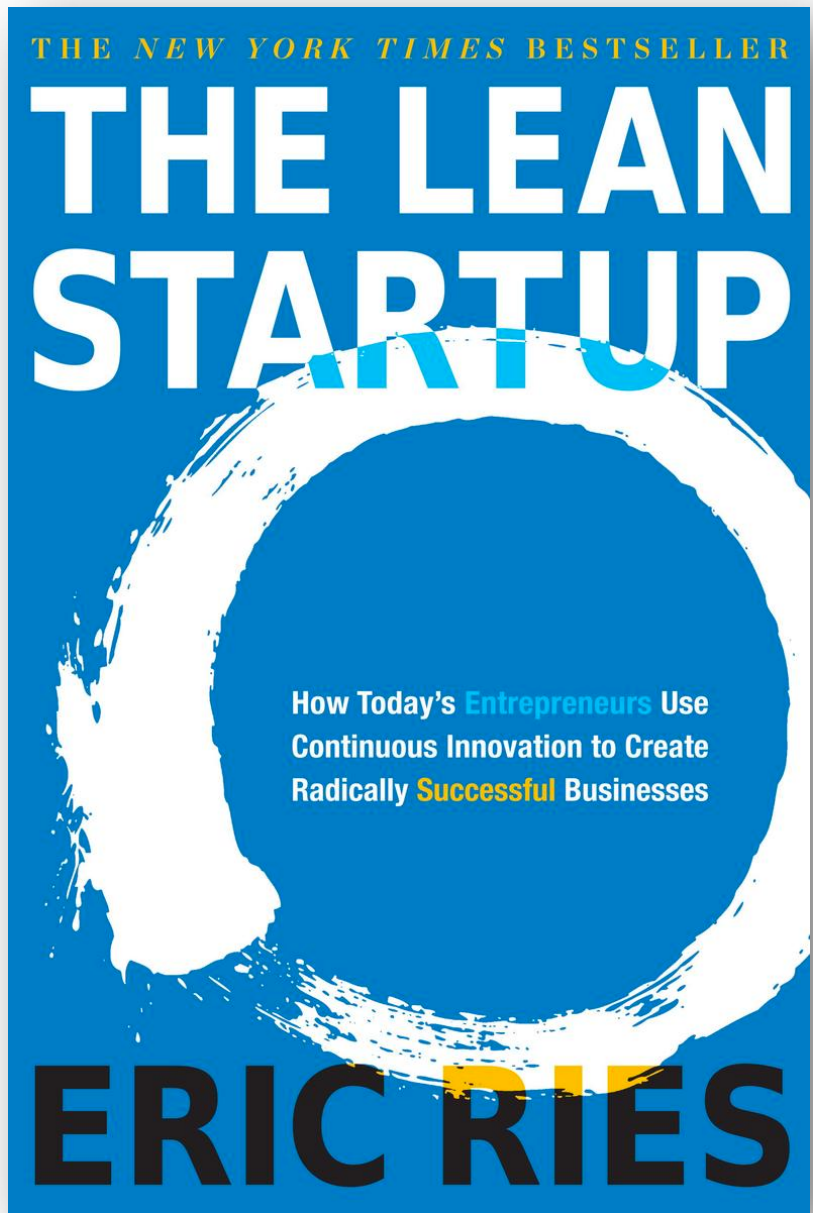
# Tier I Leads

NOISE

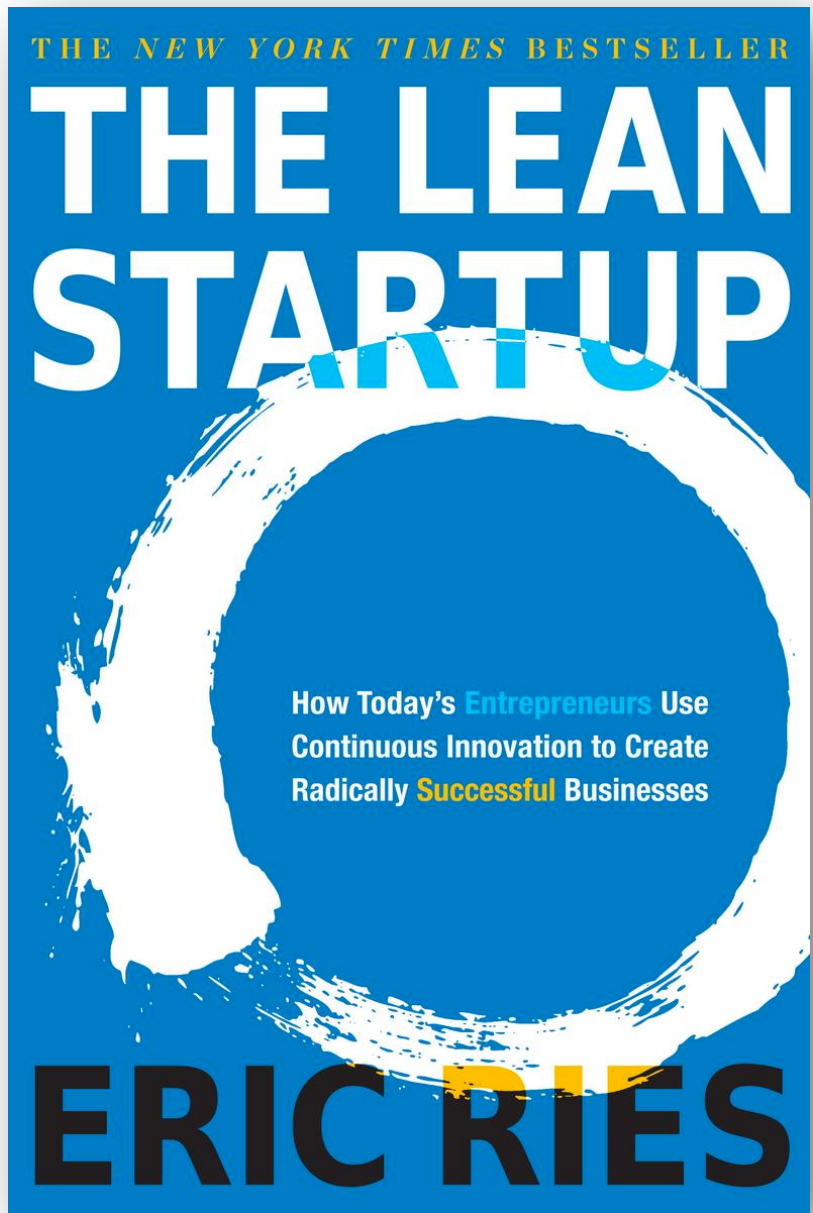
20X

0





"If we stopped wasting people's time, what would they do with it?"



"We would achieve speed by bypassing the excess work that does not lead to learning."

Learning =  
Improvement

We can  
improve more if  
we overreact less



# My Lunch and Learn: "The Red Bead Experiment"

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More Info:

[www.MarkGraban.com/LSW](http://www.MarkGraban.com/LSW)

