### The Superpowers and Shadows of A/B Testing

**Balancing Data-Driven Success with Bold Innovation** 

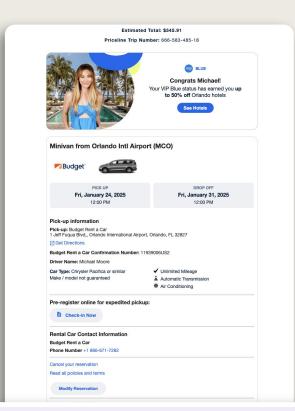
### How many of you use A/B testing to build a product?

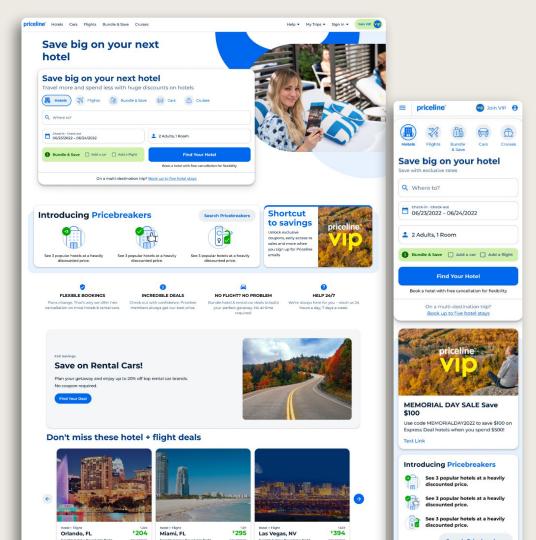
### Fail fast, learn and pivot

# Every idea is a bad idea. No idea performs the way you expect once you collide it with reality.

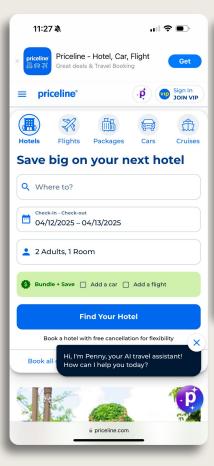
### One in every seven A/B tests is a winning test.

- VWO

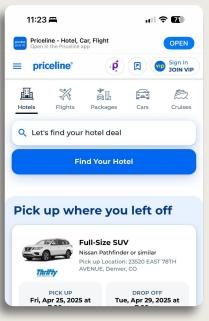




#### Control



#### **Variant**



### **Every superpower has a shadow**

**Experimentation** 

Reactivity

**Precision** 

Tunnel Vision

**Evidence** 

Analysis Paralysis

**Scalability** 

Complexity

### **Icarus Paradox**

Strengths, when overused, can lead to failure.



### Lessons I've learned

### **Beware of the Biases**

# Case Study GROUPON®

### Bias Creeps In — Even with Testing

#### **Confirmation Bias**

A tendency to favor information confirming pre-existing beliefs.

Only seeing the early data wins.

### Bias Creeps In — Even with Testing

### **Survivorship Bias**

The tendency to only remember tests that worked.

Ignoring the users and merchants who never came back.

### Bias Creeps In — Even with Testing

### **Sunk Cost Fallacy**

The tendency to continue investing in something even when it's failing or no longer beneficial.

Doubling down because too much had already been invested.

# You can't avoid bias, but you can outsmart it

Think about what could prove you wrong

Pay attention to what's not working

It's OK to stop or change course

### **Culture & Curiosity**

### **Meet Josh**



Name: Josh Baskin

**Age:** 12

Job: VP of Product Development, MacMillan Toy Company

**Key Skills:** 

**©** Brutal honesty

Flipping pencil erasers like missiles

Winning at racquetball

Making fart noises

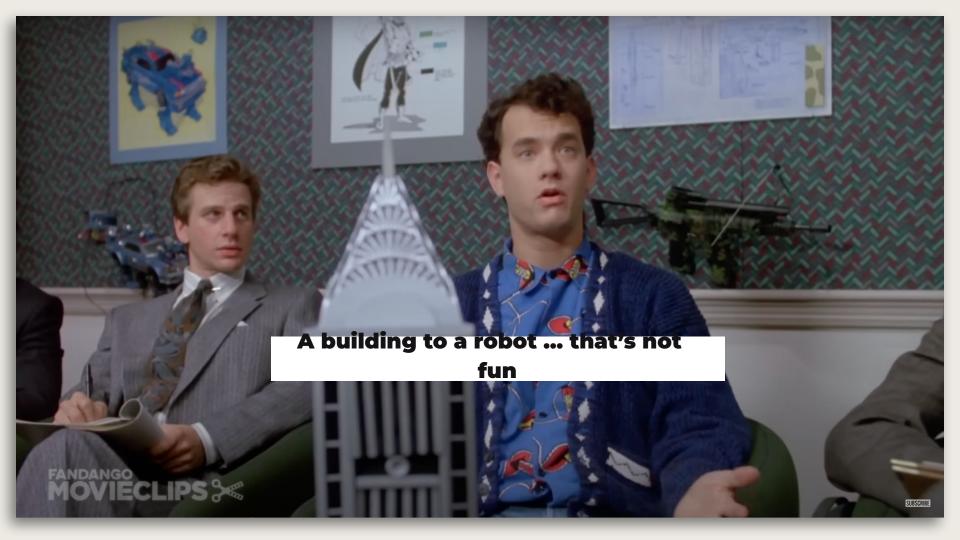
**Special Power:** Says what everyone else is thinking, but afraid to say





























### **Culture & Curiosity**

#### **Psychological Safety**

A good culture makes it safe to speak up.

Josh said. "I don't get it" in a room full of executives.

#### **Learning Mindset**

A good culture values learning, not just agreement The team had data and features, but Josh's question

sparked a real conversation.

#### **User Obsession**

A good culture is focused on who it's for.

Josh wasn't impressed by the robot, he just wanted to

know if it would be fun for a kid.

# How do I create a culture that believes in curiosity?

It starts with leadership

# Leadership is a choice, not a position.

## Optimization is the Tool. Innovation is the Outcome.



#### **Local Maxima**

A point where small changes no longer yield significant improvements.

#### Optimizing the Burger.





#### The Burger



#### Can it be better?

Should we add more sesame seeds to the bun?

Try a different cheese blend?

Toast the bun slightly longer?

A juicer patty?

# One Franchisee Thought Bigger Than Burgers

### They didn't open before llam. They didn't open before llam.

No breakfast menus

No early staff

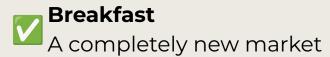
No morning supply chain

#### **Global Maximum**

The optimal solution that can be achieved by testing different variations of a design, feature, or strategy.

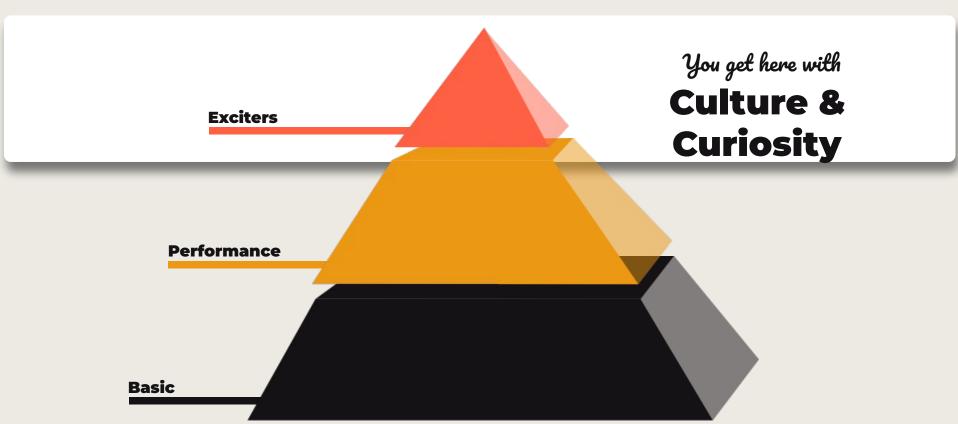
### **25%** of McDonald's revenue.

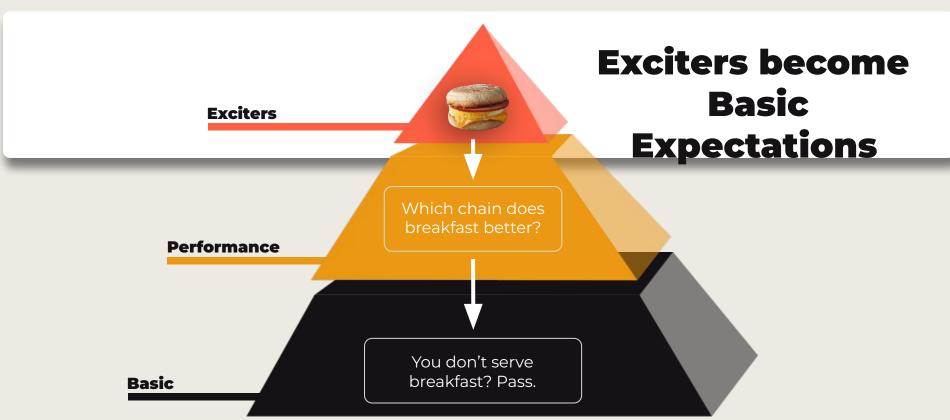






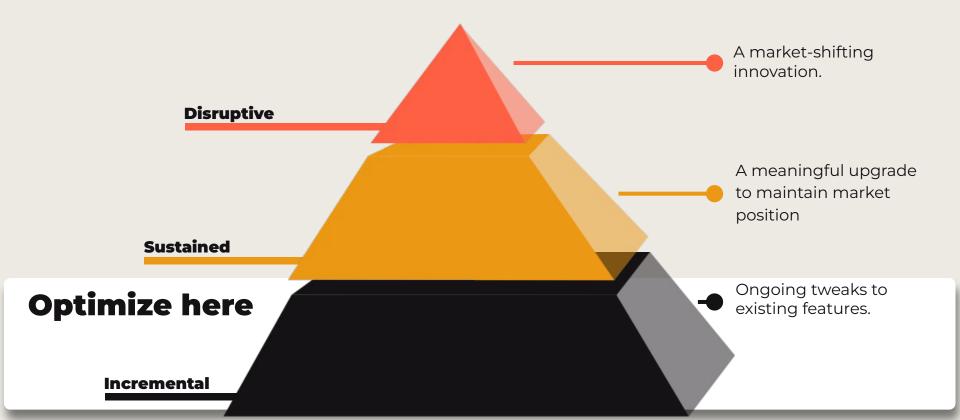


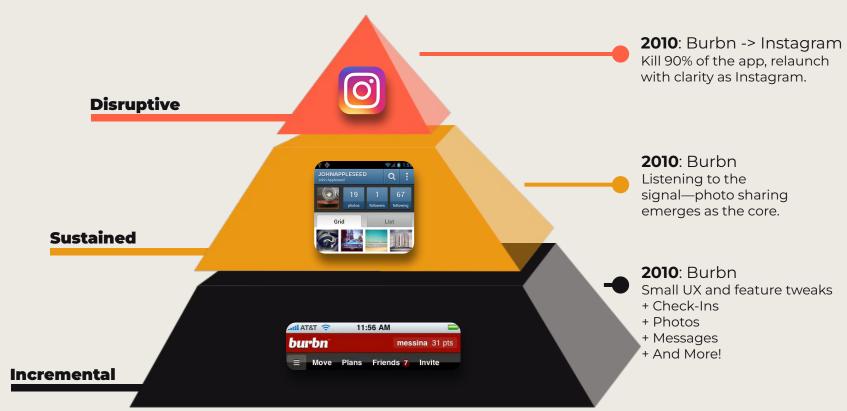


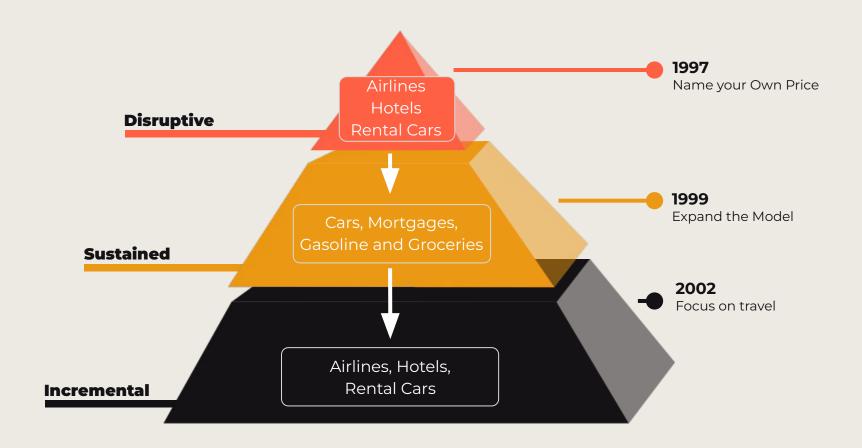


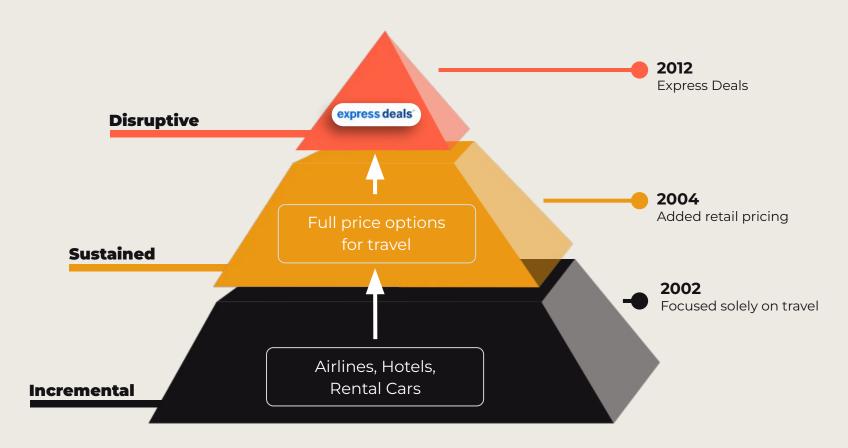
#### Innovation

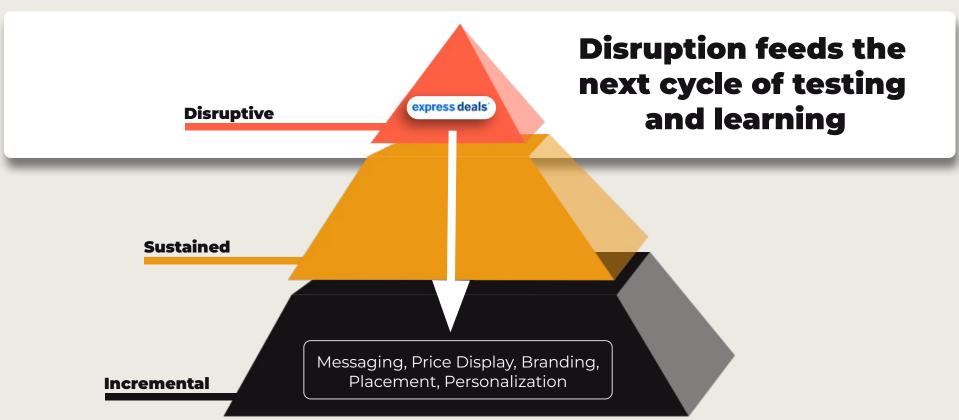
The process of introducing something new or improving something existing, leading to significant progress or change.

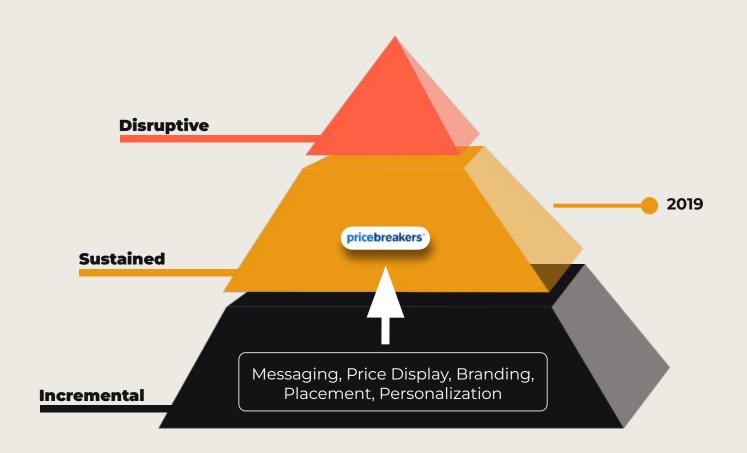


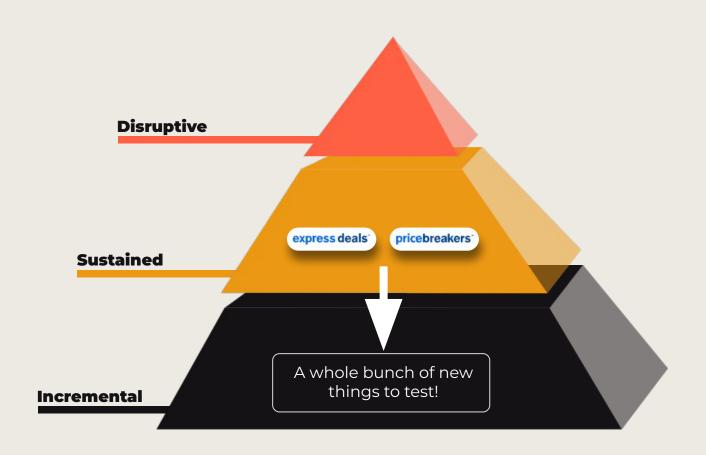










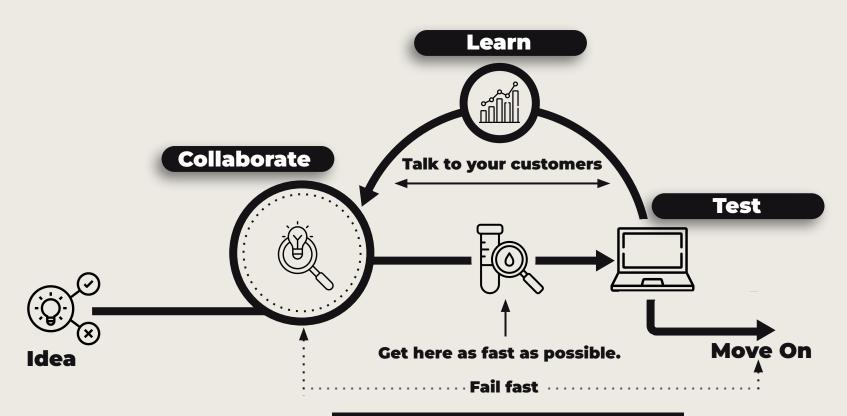


## Use A/B Test to Learn, Not Just Optimize









#### MVP

The fastest way to learn how to build a product with the least amount of effort.

#### Learn early. Learn fast.

You don't need full designs, perfect prototypes, or months of research.

#### Crash Landings



# There is no innovation and creativity without failure. Period.

- Brené Brown

## What do these products have in common?









#### They All Started as Mistakes



**Tried to melt** 





**Tried to stay flat** 



It Floats!



Tried to clean

## Failure leads to success

#### Normalize Failure Make it expected

**Model Failure**It starts with leadership

Celebrate Failure
Reward the risk, not just the win

#### And, Remember

Beware of strengths that become shadows.

Optimization is the tool innovation is the outcome.

Be Josh - Be bold.

Make the breakfast sandwich. Look beyond the obvious.

**Culture beats process. Be the leader.** 

The more you test the more you learn.

# Thank you. in/rleffel