# **Marketing Experiments**

#### Introduction

 Experimentation is a key component of the resource allocation portfolio.

 It allows us to evaluate the consequence of different marketing actions.

#### **Correlation vs Causation**

"Half the money I spend on advertising is wasted; the trouble is I don't know which half"

John Wanamaker

Father of Modern Advertising

### **Marketing Return on Investment**

 Why is it hard to measure the Return on Marketing Spending?

### What Establishes Causality?

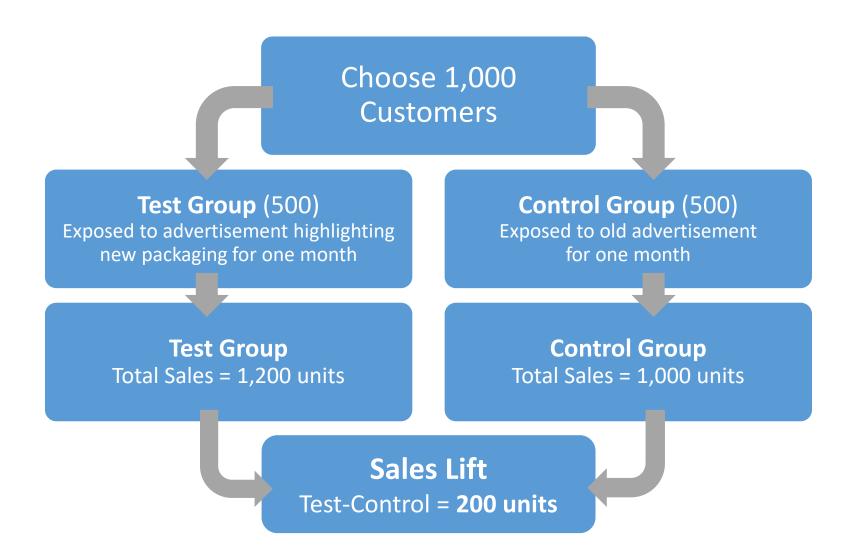
- Change in marketing mix produces change in sales
  - Increasing Advertising \$ ———— Increased Sales
- No sales increase when there is no change in the marketing mix
  - No Increase in Advertising \$ ———— Same Sales
- Time Sequence
  - Increased advertising \$ today leads to higher sales tomorrow
- No other external factor
  - When advertising was increased, one of the competitors left the market. So sales increased because of lesser competition not because of increased advertising.

### **Experiments – The Holy Grail!**

One or more independent variable(s) [Advertising \$] are manipulated to observe changes in the dependent variable [Sales or Brand awareness]

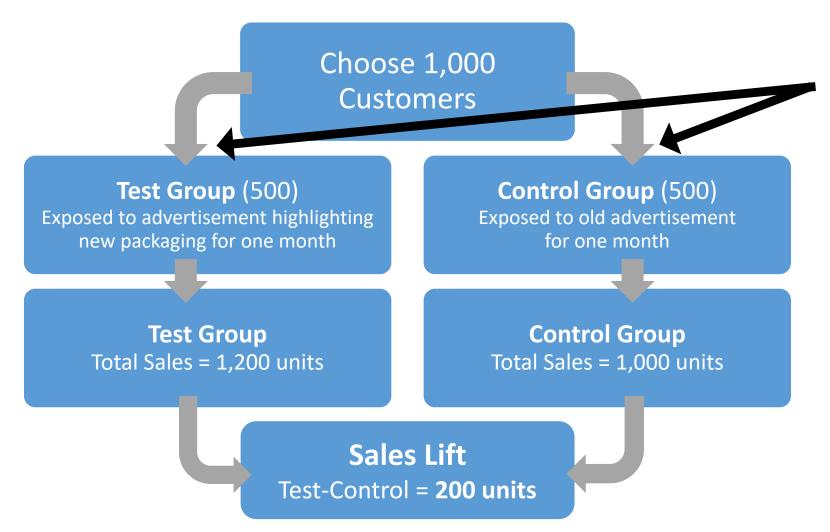


### **A Basic Experiment**



How to assign customers to Experiment and Control Group?

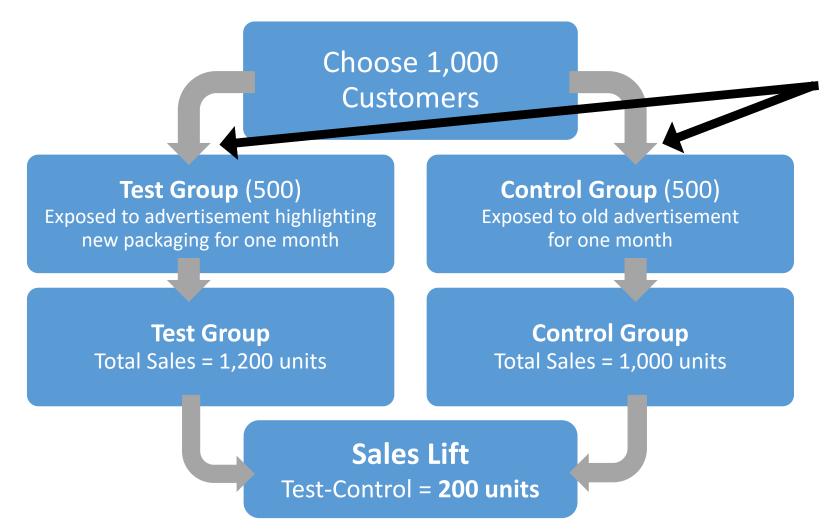
### **A Basic Experiment**



#### Randomization

can *match* test and control groups on all dimensions simultaneously, given a sufficient sample size

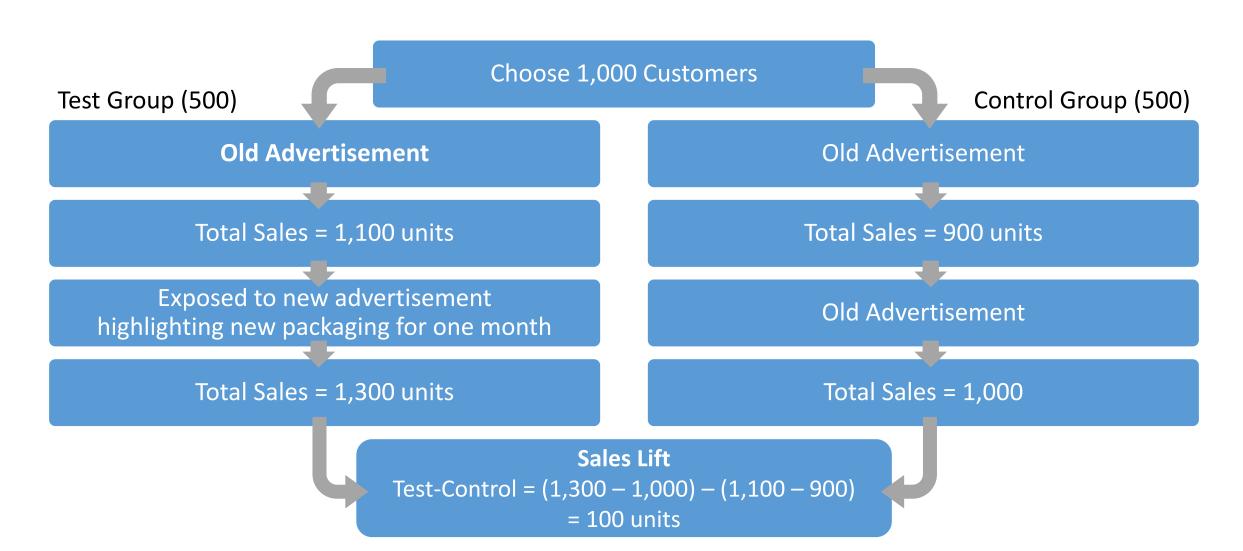
# **A Basic Experiment**



#### **Match**

When would this be necessary?

# Before - After Design





<sup>\*</sup> Current conditions, so can be considered controls.

	Price		
Advertisement Copy	\$1.59	\$1.89*	\$2.15
"Lasts Longer"			
"Tastes Better"			
"Good for You"*			

<sup>\*</sup> Current conditions, so can be considered controls.

	Price		
Advertisement Copy	\$1.59	\$1.89*	\$2.15
"Lasts Longer"		\$1,112	
"Tastes Better"		\$1,030	
"Good for You"*		\$820	

<sup>\*</sup> Current conditions, so can be considered controls.

	Price		
Advertisement Copy	\$1.59	\$1.89*	\$2.15
"Lasts Longer"		\$1,112	
"Tastes Better"		\$1,030	
"Good for You"*	\$930	\$820	\$770

<sup>\*</sup> Current conditions, so can be considered controls.

	Price			
Advertisement Copy	\$1.59	\$1.89*	\$2.15	
"Lasts Longer"	\$1,315	\$1,112	\$1,206	
"Tastes Better"	\$957	\$1,030	\$1,500	
"Good for You"*	\$930	\$820	\$770	

<sup>\*</sup> Current conditions, so can be considered controls.



a your information is secure









#### **Top Insurance Providers**

We work with over 50 top auto insurance companies to find the policy that fits you best.















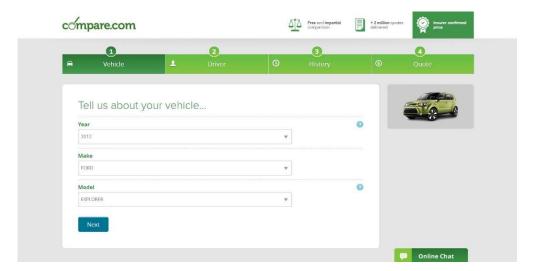


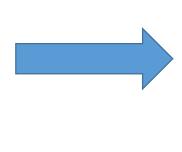


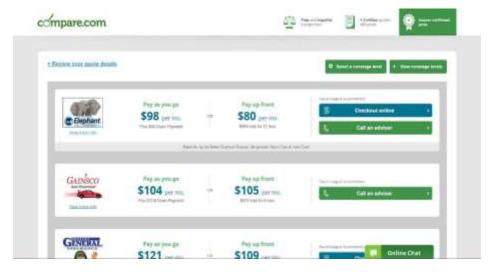






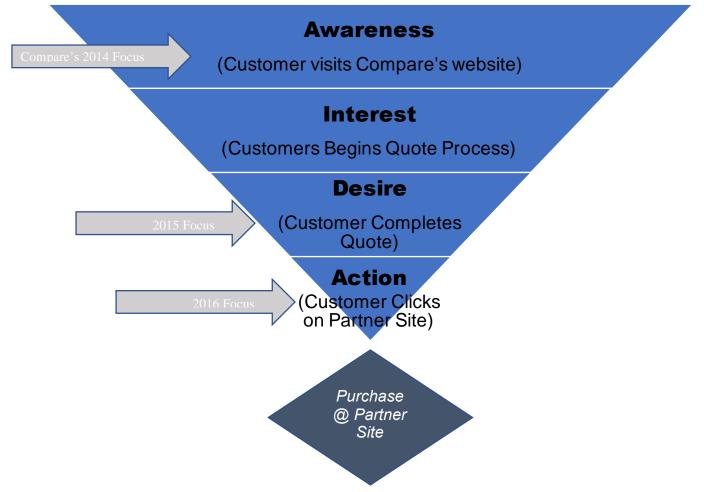






**Get Customer Information** 

Provide Real Quotes from Insurance Providers on Platform



Source: Adapted by Case Writer from Compare conversations









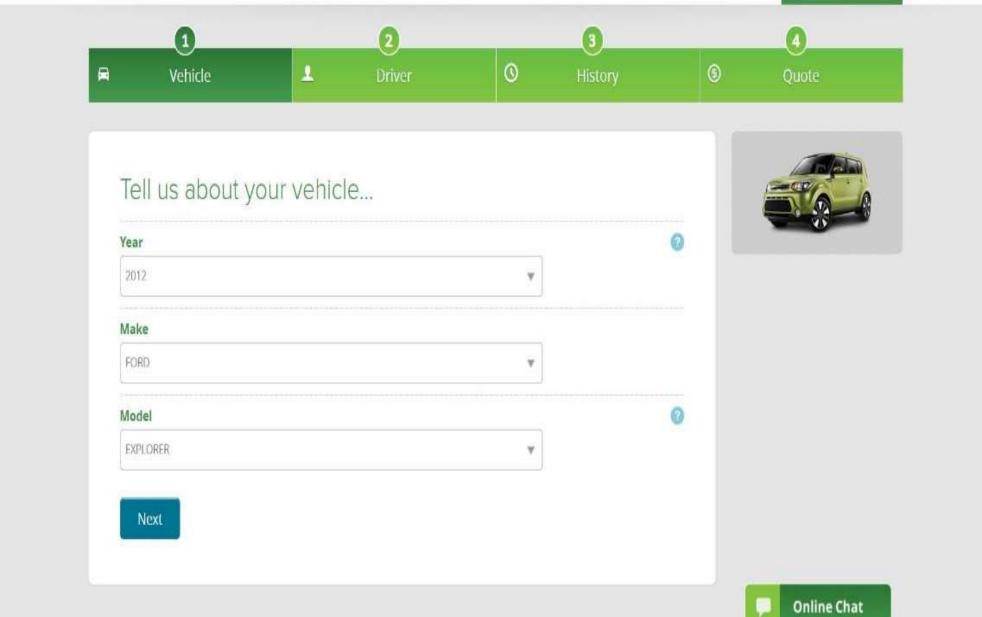
1		2		3		4
Vehicle	1	Driver	0	History	(5)	Quote
Tell us about y	ourself					
First name						Your Summary
Middle initial (optional)			J			/ehicles
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Last name						
Suffix (optional)						
Suffix (optional) ▼						
Date of birth						Online Chat









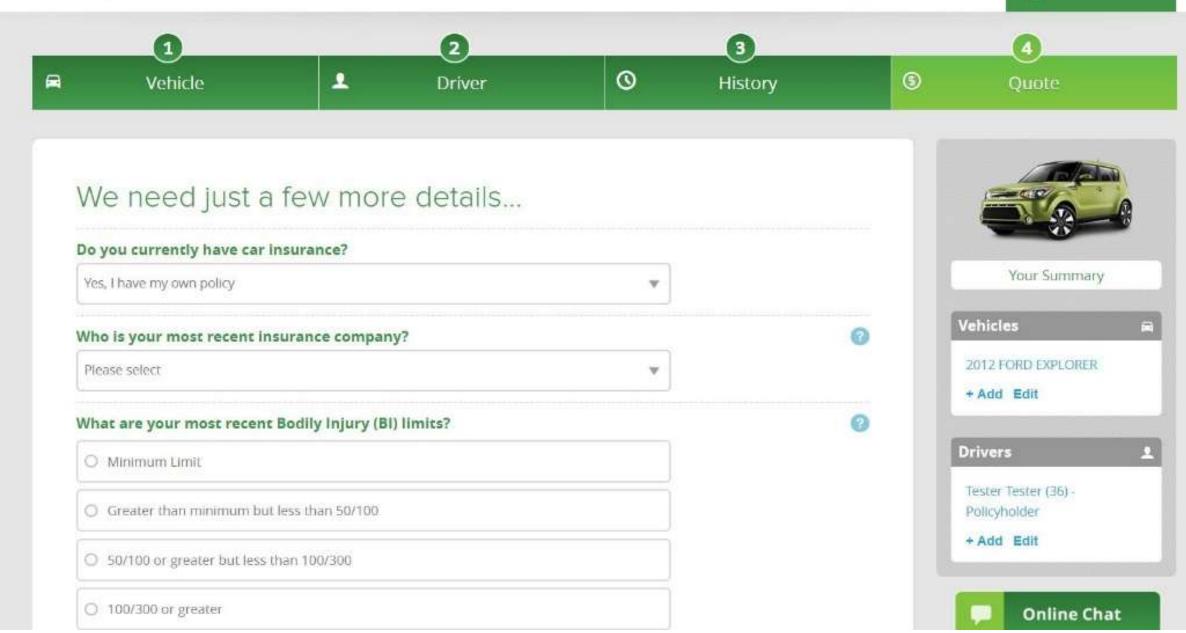












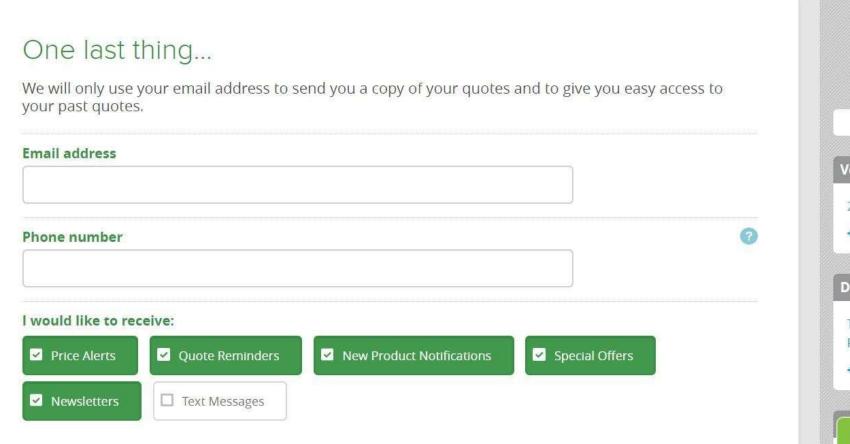












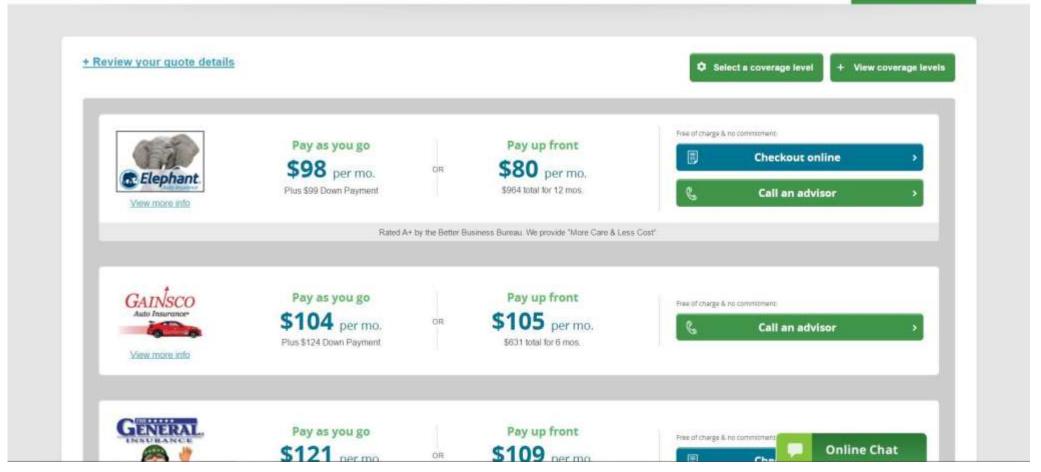












#### The Problem

- Compare now partnered with nearly 100 insurance companies and the site was reaching peak levels of traffic (with over a million visitors in both February and March of that year),
  - the bulk of which (just over 50%) was increasingly coming from mobile devices such as phones and tablets (up from 5% at the start of 2014).

- The problem, however, was that the completion rates for Compare's questionnaire were at a dramatic low,
  - with just 12% of site visitors finishing the required form in March, a sudden and
  - unprecedented drop from an all-time-high of 18% for the metric that January.

#### **Options**

Build A Mobile App

 Get email and ask customers to fill questionnaire later

Predict Premiums and provide a banner ad @ the beginning

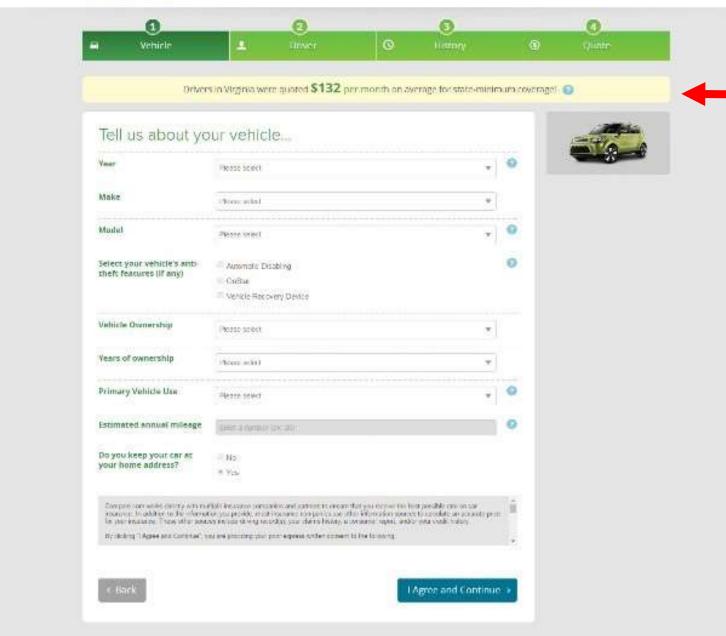
### **Banner Test Implementation**

- Banner Estimate Low, Average
- Location of Page top
- Graphic Static
- Driver Good

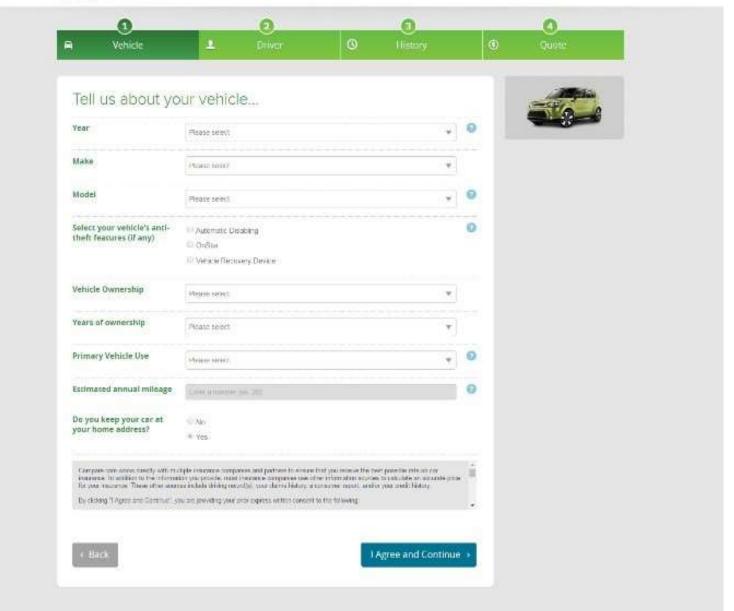
#### **States**

State	Carriers on Panel	Avg. Rates Returned
Georgia	9	3
Texas	18	7
Virginia	12	4

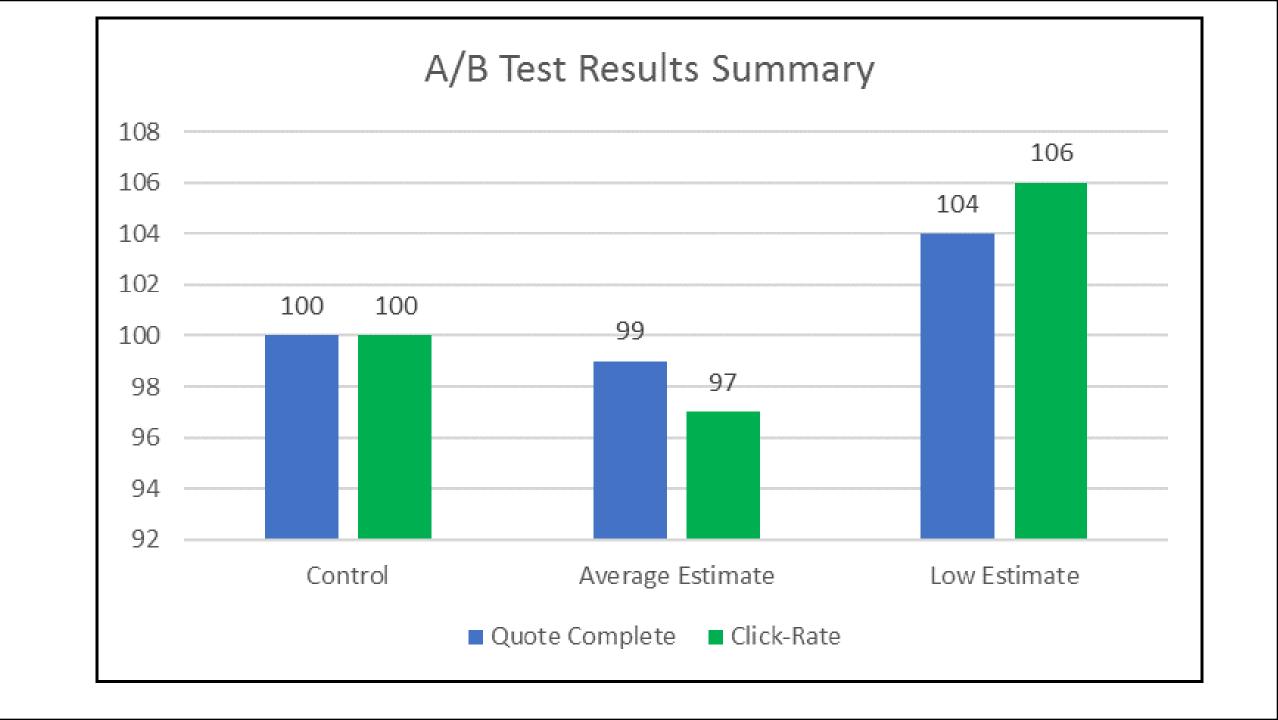












# **Quick Quote Test Implementation**

- Quick Quote Estimate Low High
- Location of Page top
- Graphic Static

#### Lock-in a Customized Quote

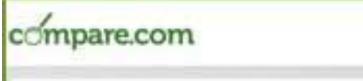
Give us a few minutes and we'll compare accurate quotes from 9 carners in your area.

Start Comparing >

#### Get a Quick Quote

Answer a couple of quick questions and we'll give you an idea of what you can save.

Start Estimate >



compare.com		
Tell us about yourse	f	
Dear of birth	MM [ SK2 [ Intrity ]	
Gender	O Famure O Male	
Do you currently have insurance?	ST Yea ST No.	
Vehicle year	Please Seed	
Vehicle body-style	Propositions:	0.40
Have you had any accidents, moving violations, or claims in the last 5 years?	GI 1999 GI 764	
		Get Estimate +

#### Your Estimated Rate:

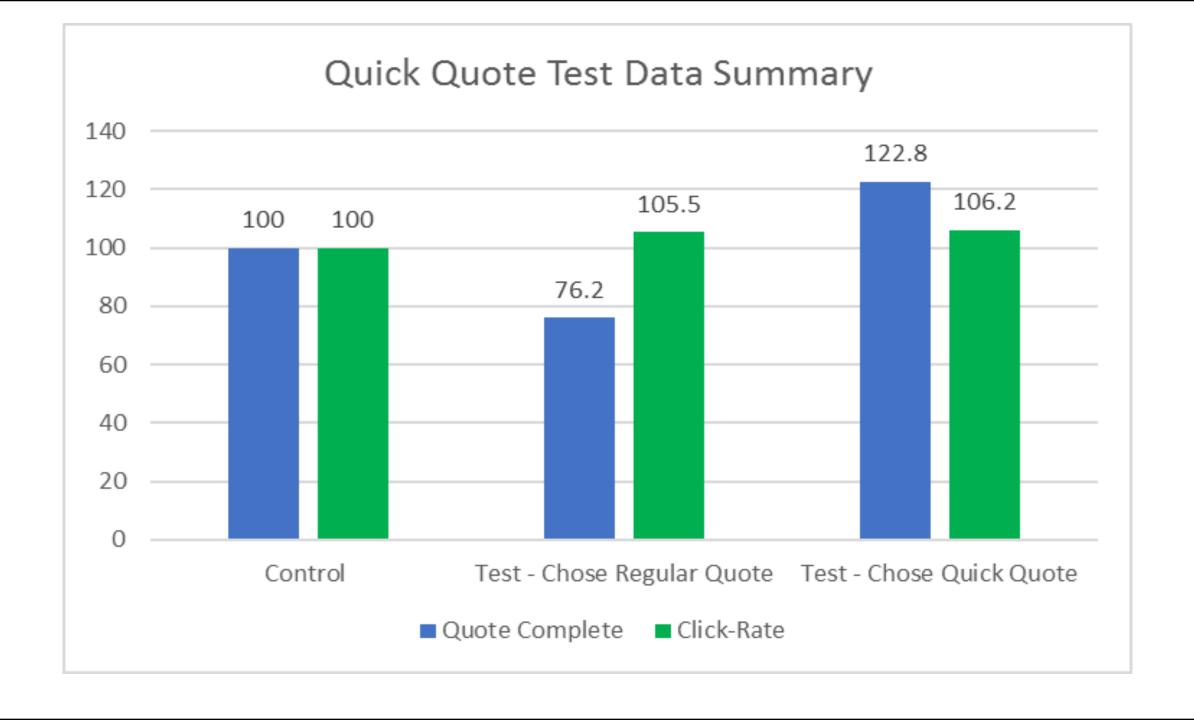
\$35 - \$105 per mo.

\$418 - \$1290 botal for 12 mon.

Ready to get an accurate quote?

Start Comparing

Tobrook your any national using a sample of the newast pre-surprise received to several contents of your way. Contents when when the following was



## Conclusion