

From Beginning to End - Oracle's Cloud Services and New Customer Acquisition Marketing

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We have a long history helping to grow many verticals

















































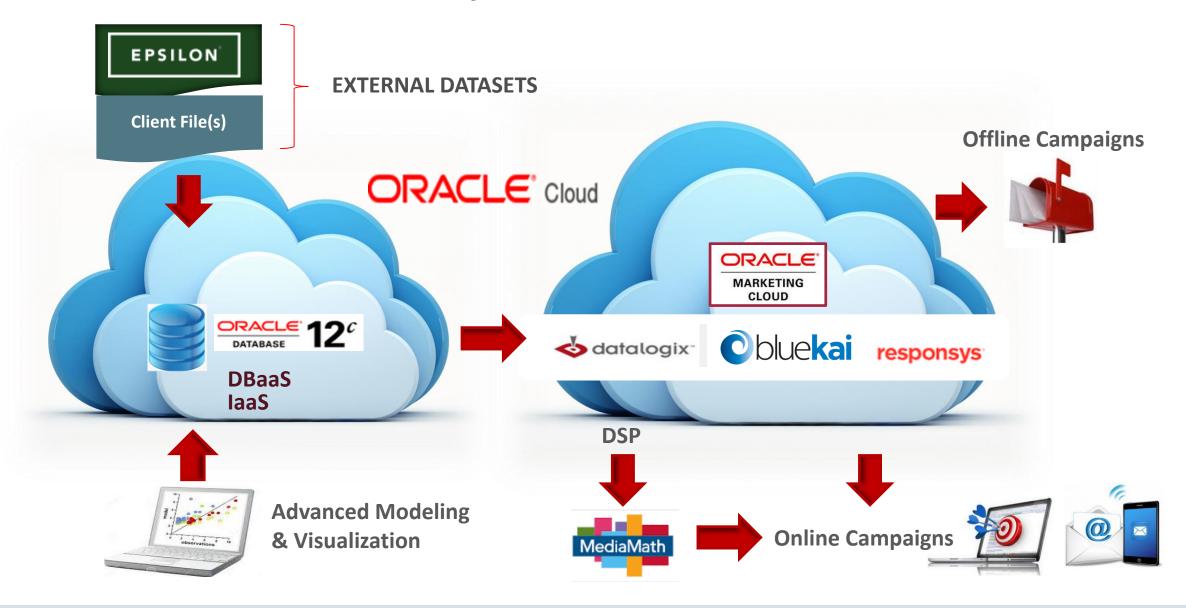




DX Marketing / Predictive Analytics to grow our Client's Businesses



Cloud Structure > A Birds Eye View



Oracle 12c Enterprise Edition



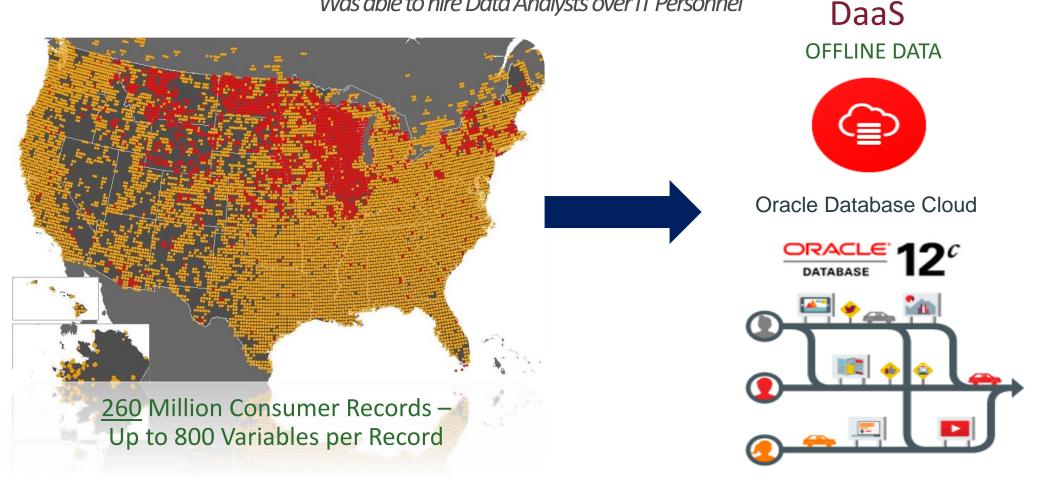
- Multitenant
- Partitioning
- Advanced Compression
- Advanced Security
- Advanced Analytics
- Database Vault
- OLAP
- Spatial & Graph
- Diagnostics Pack
- Tuning Pack
- Database Lifecycle Management Pack
- Data Masking Pack
- Test Data Management Pack
- Cloud Management Pack for Oracle Database

Oracle 12c – Enterprise Edition – High Performance with Tooling Option ALL included at no additional cost....

Built Huge Data Warehouse containing all US Consumer Data

Oracle able to immediately import dataset and layer in Advanced Analytics and Visualization

Was able to hire Data Analysts over IT Personnel





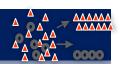
DB Cloud Services come with Advanced Analytics

In-Database Data Mining Algorithms* — SQL &



& GUI Access

Classification



- Decision Tree
- Logistic Regression (GLM)
- Naïve Bayes
- Support Vector Machine (SVM)
- Random Forest

Regression



- Multiple Regression (GLM)
- Support Vector Machine (SVM)
- Linear Model
- Generalized Linear Model
- Multi-Layer Neural Networks
- Stepwise Linear Regression

Clustering



- Hierarchical k-Means
- Orthogonal Partitioning Clustering
- Expectation-Maximization

Attribute Importance



- Minimum Description Length AG A7
- Unsupervised pair-wise KL div.

Anomaly Detection



• 1 Class Support Vector Machine

Time Series

• Single & Double Exp. Smoothing

Predictive Queries

- Clustering
- Regression
- Anomaly Detection
- Feature Extraction

Feature Extraction & Creation

- Nonnegative Matrix Factorization
- Principal Component Analysis
- Singular Value Decomposition

Market Basket Analysis





• Apriori – Association Rules

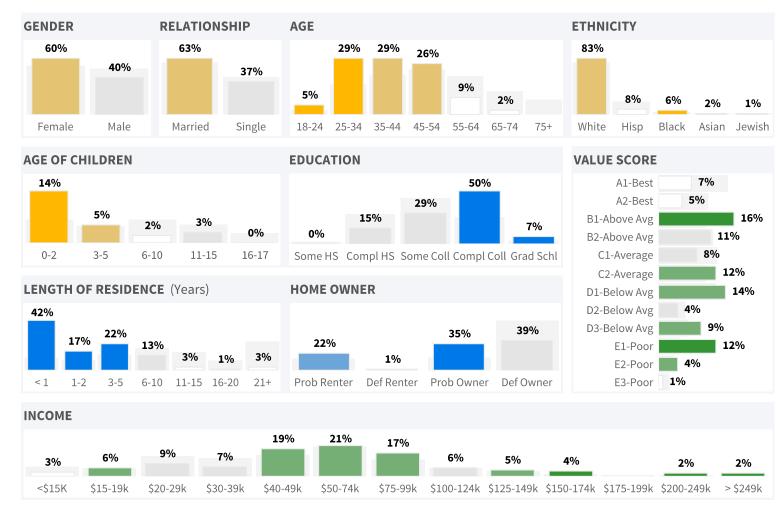
Open Source R Algorithms



 Ability to run any R package via Embedded R mode



(BI) Visualization also Layered into Data Platform for Enhanced Reporting of Personas/Profiles





Customer Characteristics

- Over half are female (60%)
- 63% are married
- Ages 18-54, but ages 18-34 most over indexed
- Most are Caucasian (83%)
- Children ages 0-5
- College educated with incomes \$40-99k
- Probable owners and renters with LOR <11 yrs
- ValueScores above average and lower

Percentage of Population (%)

The labels denote the Customer % for each demographic category.

Total Source Plus (TSP) Representation

The light grey bars behind the Customer % are the TSP percentages within each demographic segment.

Inde

The color legend is broken into quartiles from 0 to 200. Each color block segment represents 50. The center point is 100. Grey blocks have an index less than 100. Color blocks have an index greater than 100.





Scoring the Audience – Project Predictive Models into any Geography

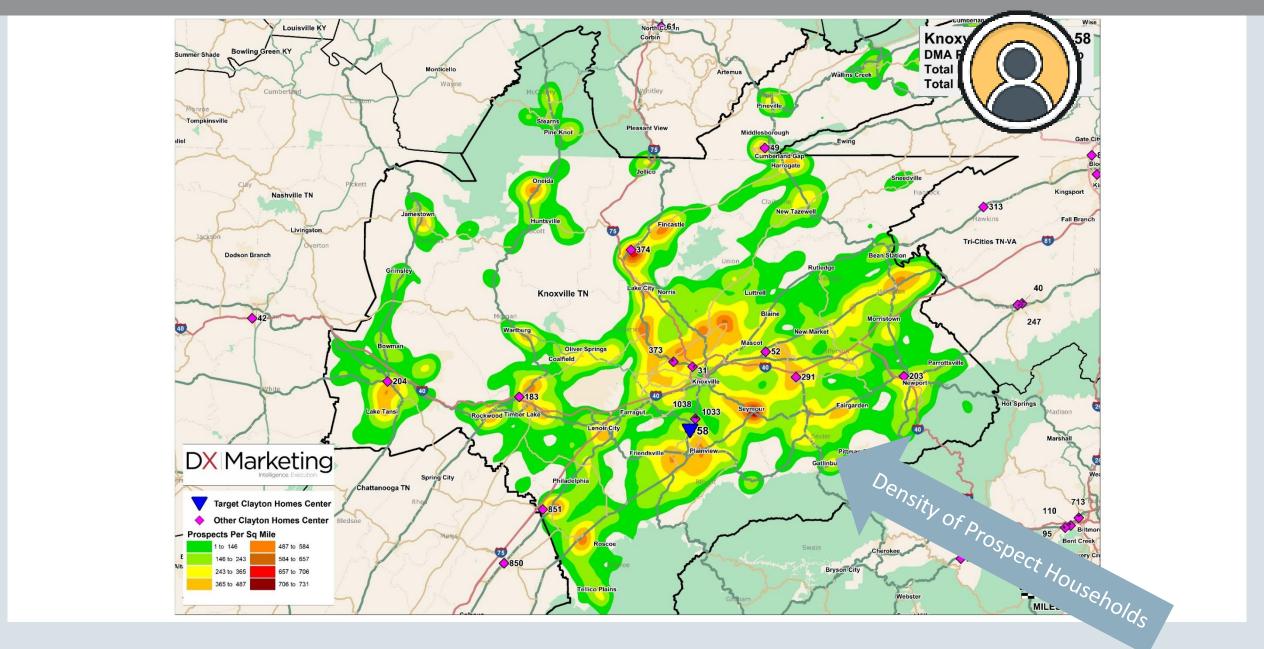
Incremental Analγsis						
Rank	Percent of TSP	Percent of Customers	Customer Lift Index	Estimated Universe		
1	1.0	5.1	503	324,796		
2	1.0	4.6	455	326,404		
3	2.0	7.3	363	647,984		
4	1.0	3.1	301	326,404		
5	3.0	7.1	235	972,780		
6	6.1	12.2	202	1,950,383		
7	6.1	10.0	165	1,948,775		
8	10.1	13.3	131	3,255,998		
9	6.1	6.2	103	1,947,167		
10	12.1	10.3	85	3,895,942		
11	9.1	5.9	65	2,923,162		
12	6.1	3.5	58	1,955,206		
13	4.0	2.0	50	1,297,575		
14	4.3	1.9	45	1,386,010		
15	6.8	2.5	37	2,185,136		
16	9.1	2.7	30	2,926,378		
17		Leverages all the significant statistical findings from				
18	the DIAT and but households in	975.995				

custom ranking system that isolates the best look-alike characteristics of your patient file

	Cumulative Analγsis						
Rank	Percent of TSP	Percent of Customers	Customer Lift Index	Estimated Universe			
1	1.0	5.1	503	324,796			
2	2.0	9.7	479	651,200			
3	4.0	17.0	421	1,299,183			
4	5.1	20.1	397	1,625,587			
5	8.1	27.2	336	2,598,366			
6	14.1	39.4	279	4,548,749			
7	20.2	49.4	244	6,497,524			
8	30.3	62.7	207	9,753,521			
9	36.4	68.9	189	11,700,688			
10	48.5	79.2	163	15,596,630			
11	57.6	85.1	148	18,519,792			
12	63.7	88.6	139	20,474,999			
13	67.7	90.6	134	21,772,574			
14	72.0	92.6	129	23,158,584			
15	78.8	95.1	121	25,343,720			
16	87.9	97.8	111	28,270,098			
17 18	80% of Custome	99.8 ers 00.0	Top 10 rank	.91,652 (S .67.647			
	are in Top 10 Ranks	100.01	produce over	15			



Spatial Tools to Geo-fence Prospect Households – Best Proximity to Sales Centers



We have the RIGHT Prospect – Now let's get the RIGHT Message out at the RIGHT Time,

Targeting Across Devices & Channels

DEVICE

Desktop | Laptop Tablet | Phone | Connected TV

CHANNEL

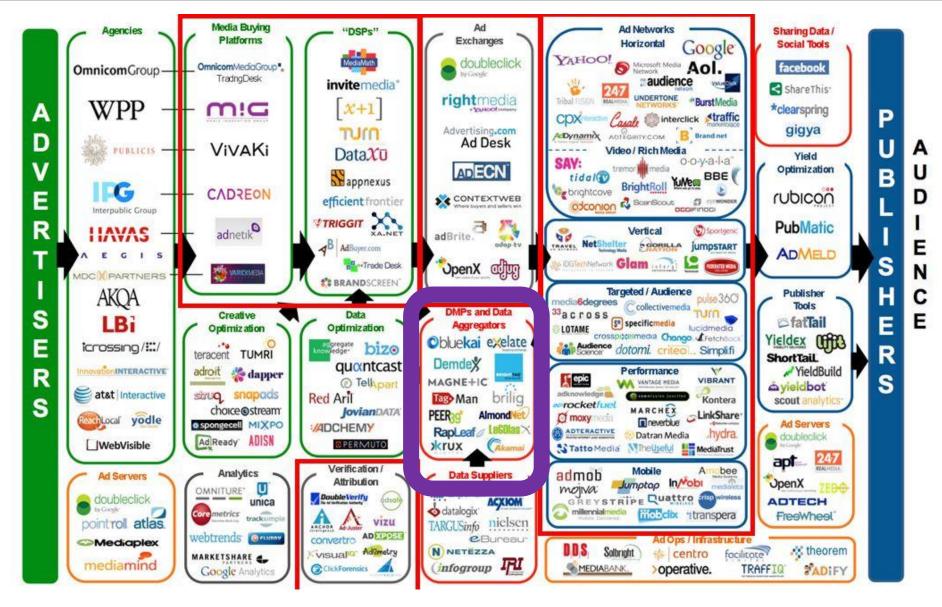
Display | Mobile Display | Facebook Twitter | Instagram | Video | In-App

AD TYPE

Display Banner | Mobile Banner | Rich Media Content | Video/Commercial | Newsfeed Instagram Ad | Tweet | Direct App Download



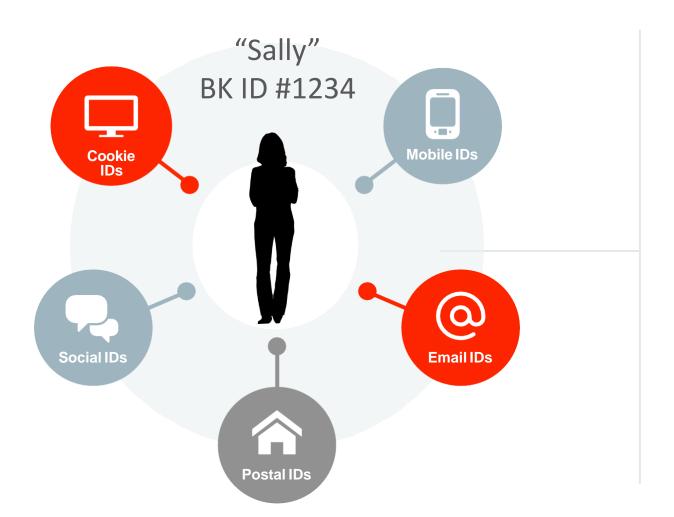
Crowded digital space – And where Oracle helps us focus for most impact







DMP or Data Exchange – Data is Detected & Anonymously Connects Digital Identities











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SallyS1981@yahoo.com

Twitter: @sally1983yeah Facebook: Susan X. Smith Snapchat: SS1983Yeah Pinterest: SSYeahFoodie Instagram: SSYeah1983Now

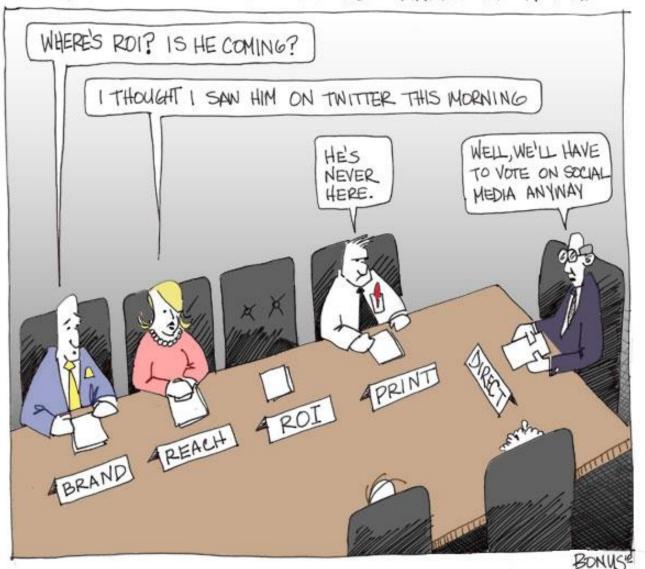
IDFA 3245 AdID 6687

Home: 124 Main Street, Albany NY Work: 123 Corporate Park, Albany NY

IE ID Device 1 67543 Chrome ID Device1 87546 Chrome ID Device2 98766 I.P. Address: 148.87.13.11 I.P. Address: 148.89.33.22



ROI ABSENT FROM YET ANOTHER MARKETING MEETING



Spoiler Alert

What metrics really matter?

- Return on Investment over Cost per Thousand
 - (ROI over CPM)
- Cost of Acquisition over CPM
- True Conversions over Clicks

Why?

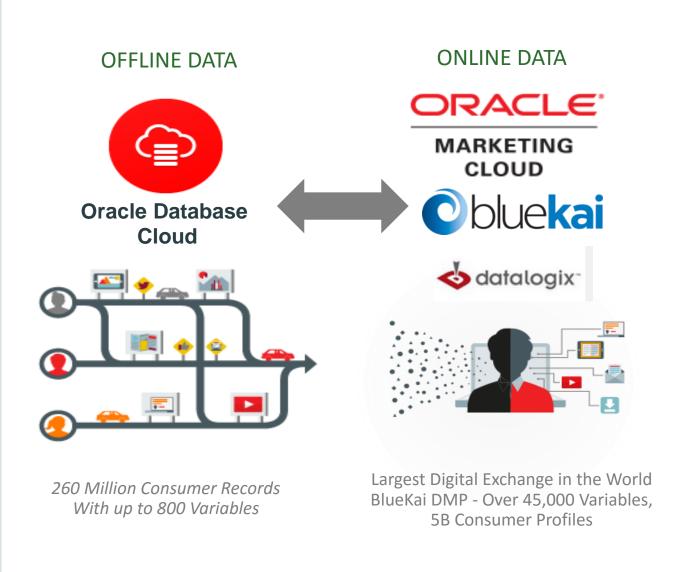
- 90% of Retail Sales are done Offline*
- Over 62% of Web users won't leave their current browsing session to click away
- 52% will research products while in a store**
- 60% of Display Ad Conversions happen without a click whether it's online or offline

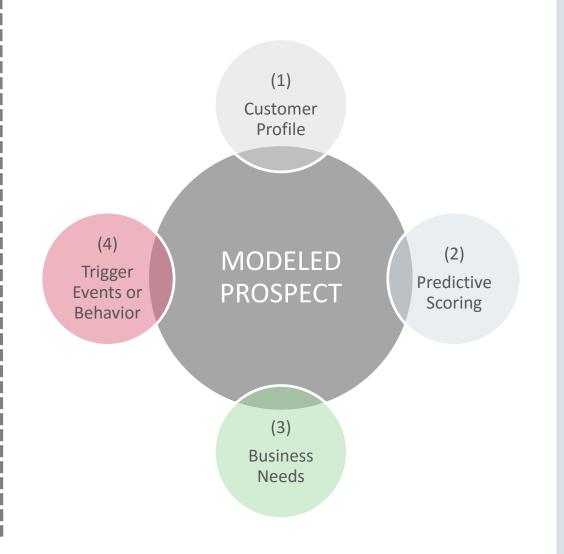


^{*} Forrester Research

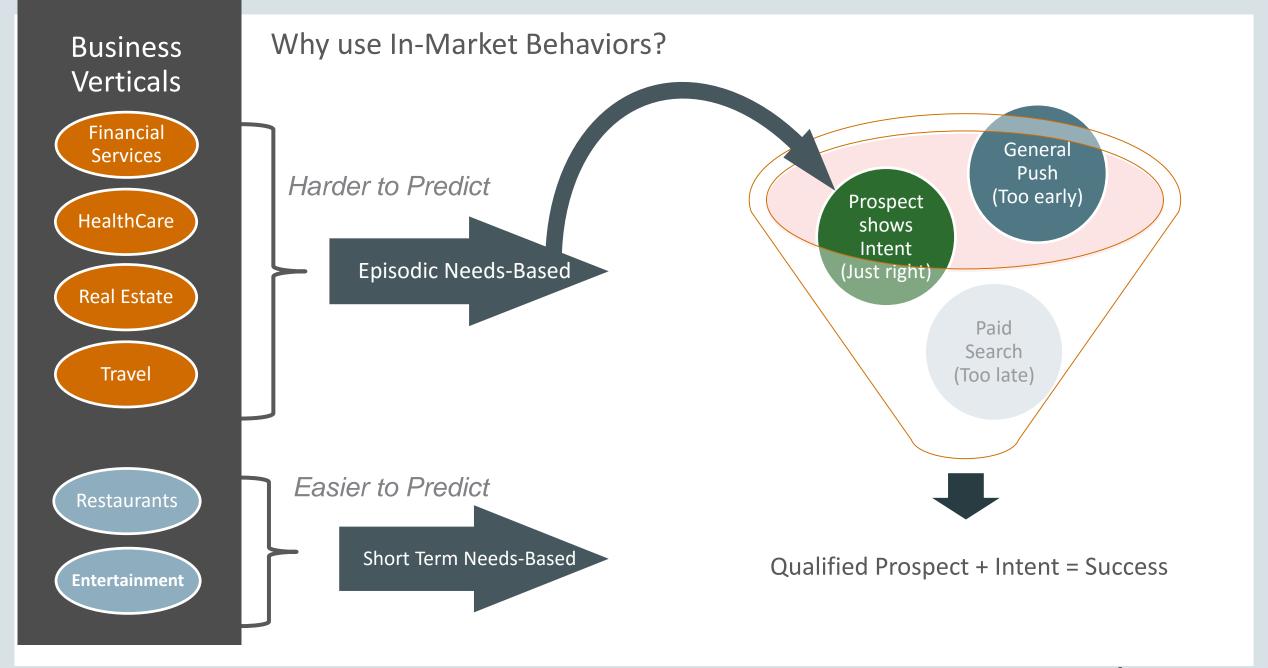
^{**} Mobile Watch Report

DXM's Tools and Steps to Model Building – Plus Tracking Campaign Execution











Use In-Market Triggers for Real Estate – Less Ads, Higher Quality Leads



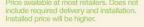
Check it out

Clayton













- Identified 10 Million Real Estate Prospects around 300 sales centers nationally. Sampled out 2 Million for Campaign
- Over 3 Months served Ads to 400K+ who were In-Market searching for Homes or **Mortgages**
- Averaged 2.5 devices per unique impression
- Matched to 900+ Leads
- \$12 to \$1 ROI on Marketing Investment would have been \$3 to \$1 had we pushed to all prospects





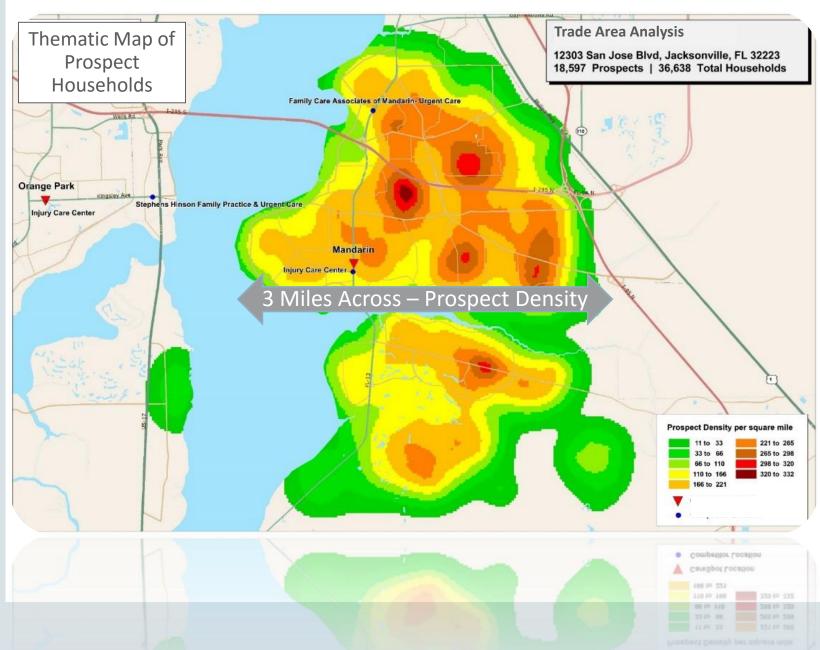








Urgent Care - Using Geo Spatial Tools with Offline Data locks down Trade Area



Health Care/Urgent Care

Fill each trade area with physical location of modeled prospects - built by ranking of most likely to convert.

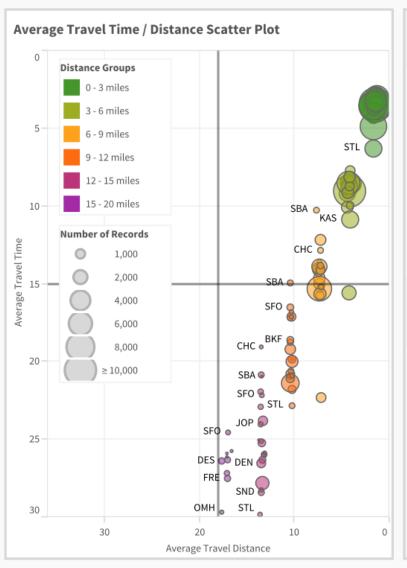
Aggregate counts and port data over to marketing cloud for further analyses

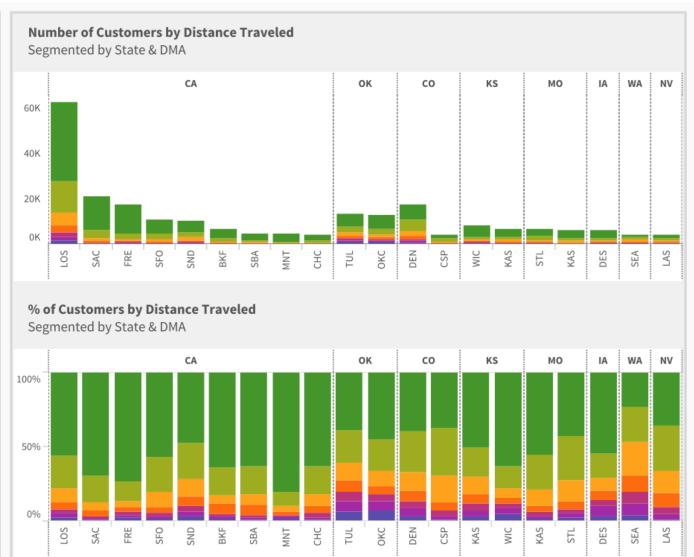
Use contextual sites to anticipate need and to serve ads tied to the nearest clinic

\$16 to \$1 ROI



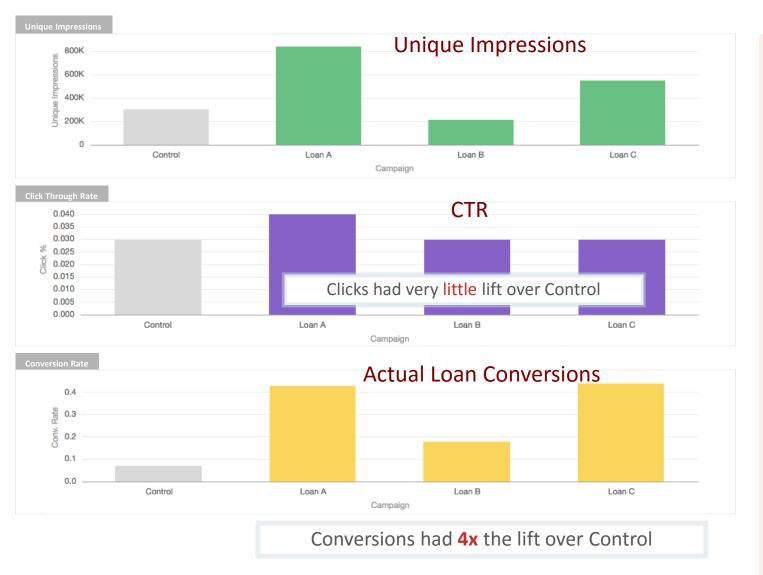
Spatial Tools to Analyze Distance Calculations – How Far does the Online Prospect Travel to Buy? 90 Percent of Conversions went to a Brick & Mortar Location to Secure Funding







Conversions vs. Clicks - Loans A, B and C using dozens of In Market Triggers to Serve Ads



RESULTS – 2,200+ Locations

120% increase in CTR from previous general display campaigns (attributed to serving more relevant ads at more relevant times).

Decreased the cost of customer acquisition by over half - the lowest acquisition cost of any other prospecting efforts.

Campaign provides more <u>Conversions</u> than Click Reports. Incremental lift over control group exceeds **400%**.



