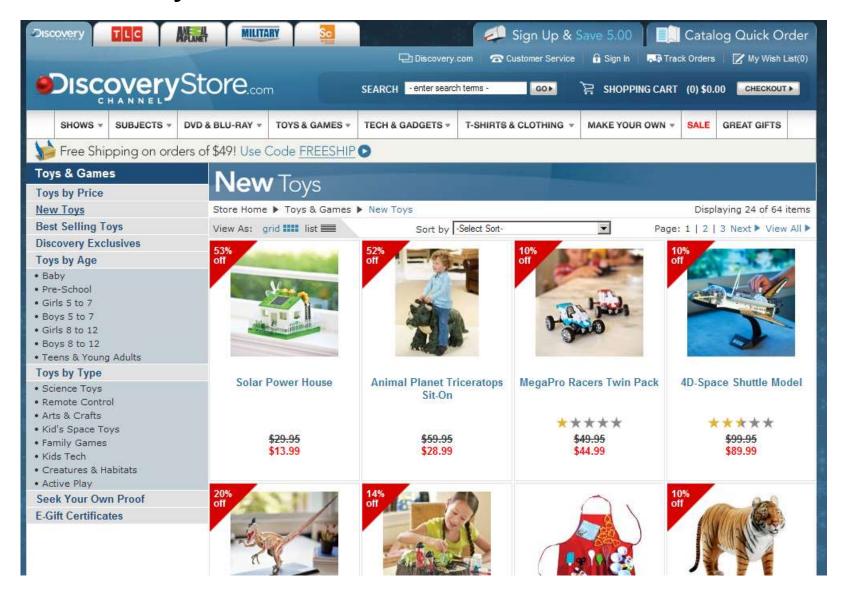
Modeling, Scoring & Analytics Overview

by Kevin F. Moore, Discovery Communications Jim Doyle, USPS and American University

Discovery Communications Commerce Dept.



Discovery Communications - Online Store



Discovery Channel Commerce

True Multi Media Integration:

Media	Media Usage		
Email	Throughout the year		
Search			
- SEO	On Going		
Paid Search	Timed with campaigns		
TV	Remaining Times and Fall		
Direct Mail	Fall Catalog – 3 drops		

The Process of Prospect Targeting

- Start with a Customer Profile
 - Demographics
 - Easy to identify verses costly and difficult data
 - At the register get the Zip Code
 - At the register get the Telephone number (cell phones ?)
 - Online get the email and home address
 - What data will best allow you to target?
 - Income Household over \$ 125,000.
 - College Educated
 - Presence of Children

The Process of Prospect Targeting

- Purchase Histories RFM
 - What did you buy ?
 - How recently did you buy it ?
 - How frequently did you purchase?
 - What was the value of your purchase?

RFM Scoring

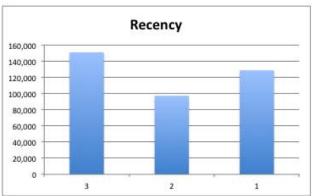
- Select Universe
 - 12M, 24M, 48M, etc.?
 - All buyers, sub group of buyers?
- Download transaction records within that period
 - Address info (or unique customer identifier)
 - Order date
 - Order amount
 - Any other relevant info you might want to use later
- Profile the data to prep for scoring
 - Min & max order date by individual
 - Count of orders
 - Sum of order amount
 - Determine R, F & M breaks
- Run series of queries with if/then statements to start scoring.
 - If max order date between x and y, then z
 - If count of orders between x and y, then z
 - If order amount between x and y, then z
- "Zs" above should be defined as follows
 - Best = 3, Next Best = 2, Worst = 1

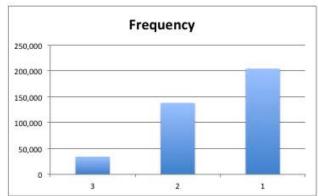
RFM Scoring

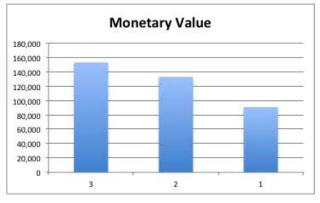
- Run a simple concatenation query to create a composite score for each individual
 - Recency is always first (R)
 - Followed by Frequency (F)
 - Followed by Monetary Value (M)
 - Examples: Customer A: 323, Customer B: 213, Etc.
- Sort file descending based on score
 - 333
 - -332
 - 331
 - 323
 - 322
 -
 - 111
- You now have a file that you can select against

RFM Scoring Sample Summary Report

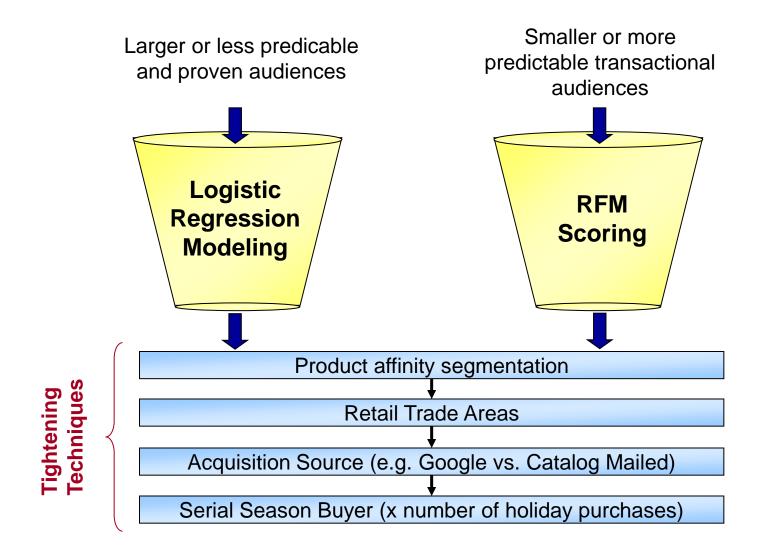




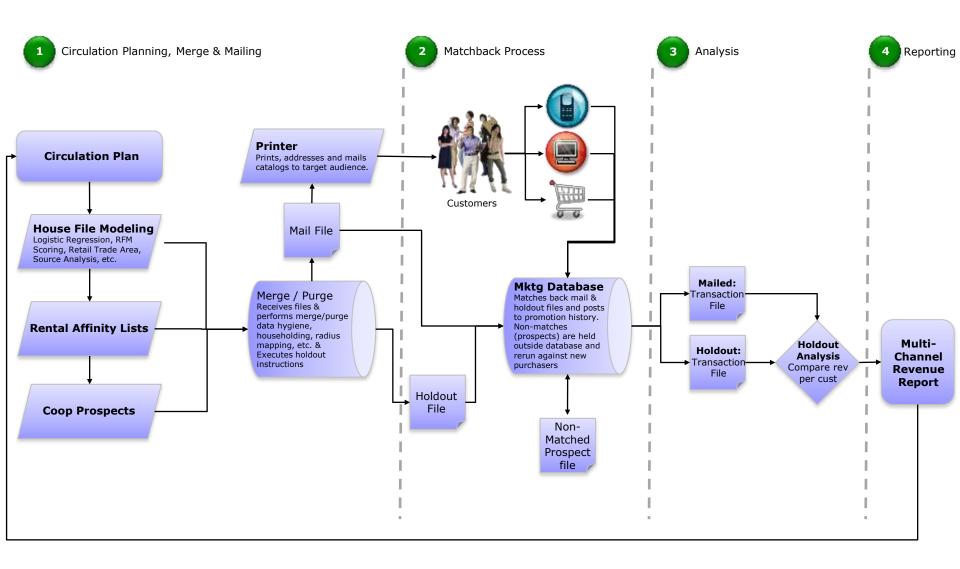




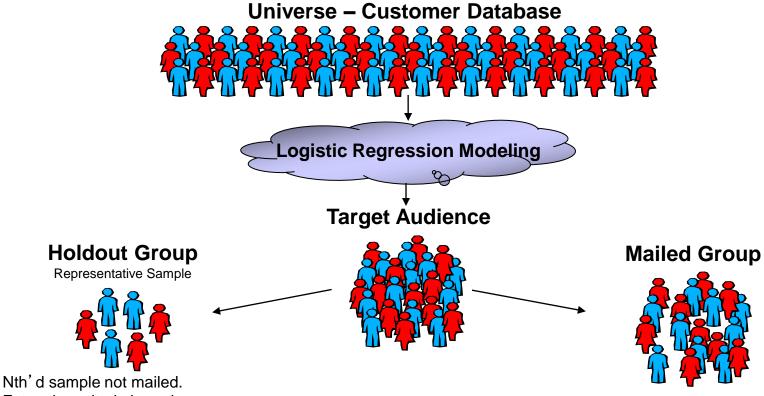
House File Modeling & Segmentation



Catalog Multi-channel Planning & Analysis Process



Holdout Methodology



Extraction criteria based on:

- 1) universe size
- 2) required sample size
- 3) projected response rates

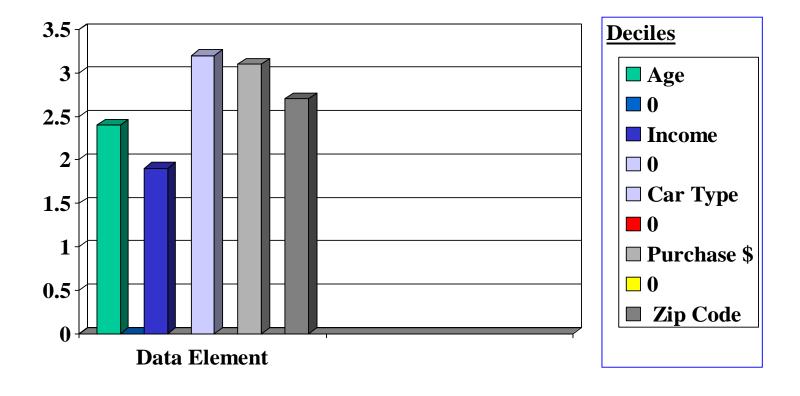
<u>Analyze:</u>		<u>Analyze:</u>
Orders Response Rate	Incremental revenue measured	Olders
	by lift in performance of mailed	Response Rate
Revenue 4	group vs. holdout group	Revenue

Modeling

 A profile of the attributes of the population of your database is descriptive of your customers.

 A database Model can predict which names are most likely to respond.

Modeling

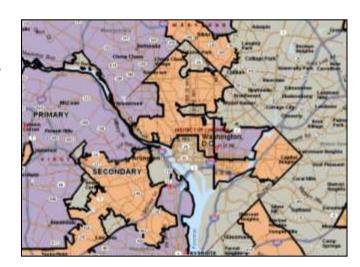


Modeling Steps

- Determine which data elements are likely to be predictive of response
- Assign Data to all records
- Random Nth Select test promotions to list containing different segments
- Analyze response data Runs separate reports
- Test model projections against customer files

Zip Penetration / Trade Area Scoring

- Zip Penetration / Trade Area scoring utilized to target & optimize geographically
- Create primary, secondary and tertiary zip code markets.
- Tag customers within each market
- Mainly utilized as an optimization technique
- Can supplement by utilizing desktop mapping software like MicroSoft MapPoint



Sample Data

Markets	% of Zips	% of Orders	% of Sales	% of Population	Orders/Pop
Primary	28%	83%	83%	71%	0.30%
Secondary	72%	17%	17%	29%	0.15%

Modeling Works

 Summit Racing can predict which names are like to respond so accurately that they can have rented list out perform catalog requests.

- Credit Card Companies
- Charities

Contact Information

Jim Doyle

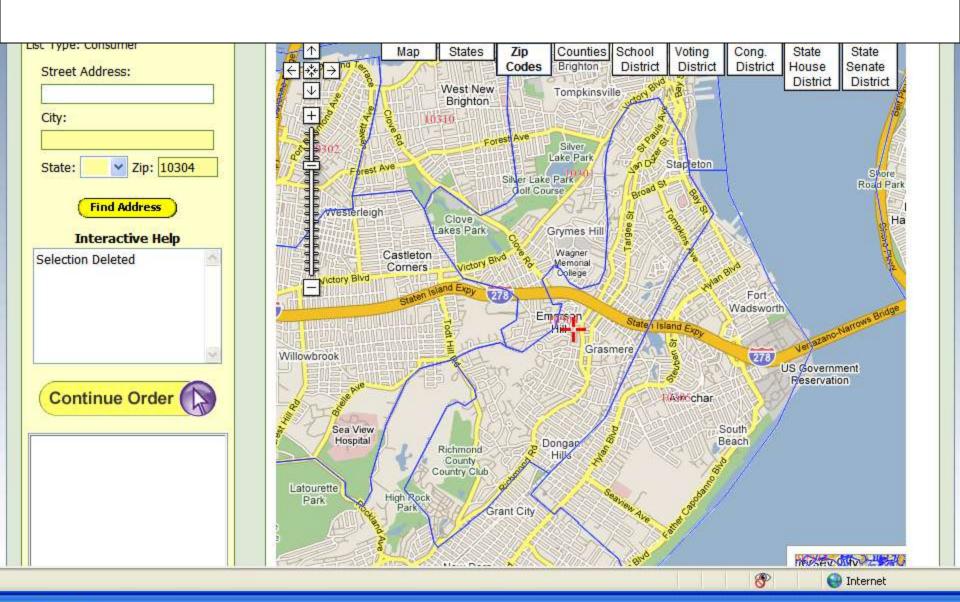
jdoyle@american.edu

james.m.doyle@usps.gov

GeoSelector

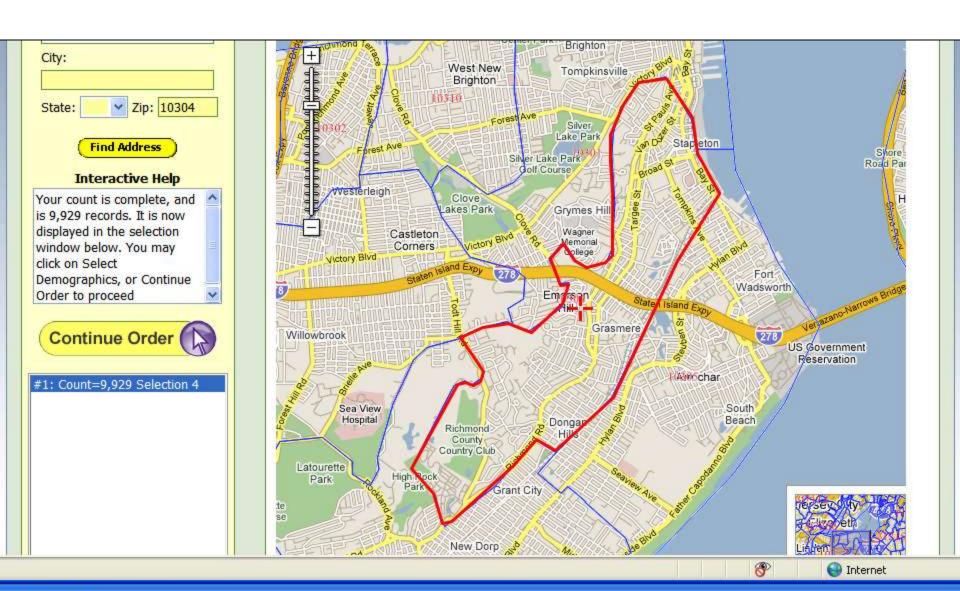
The following slides are screen grabs from www.geoselector.com

Zip Code 10304 Staten Island New York



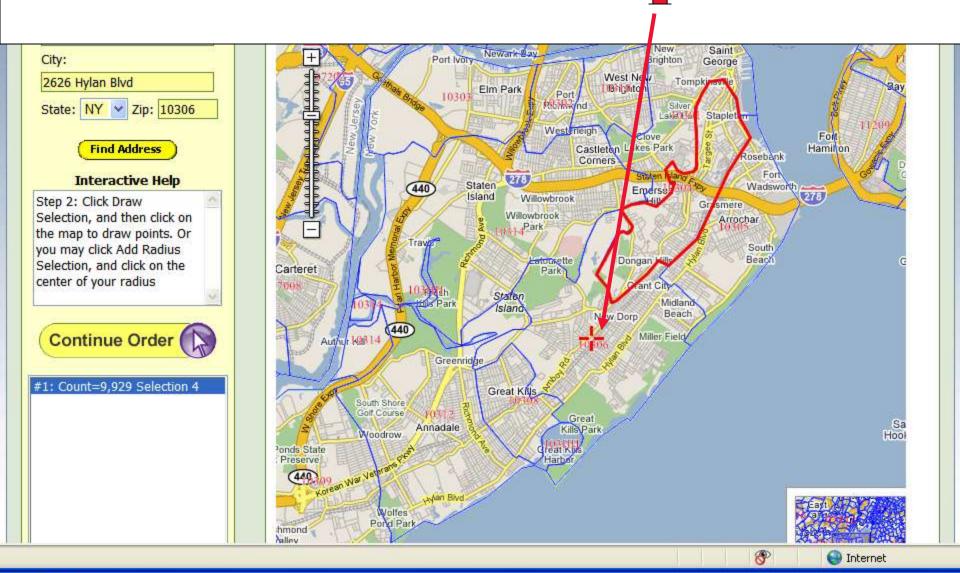


Mapping for the Entire Zip Code



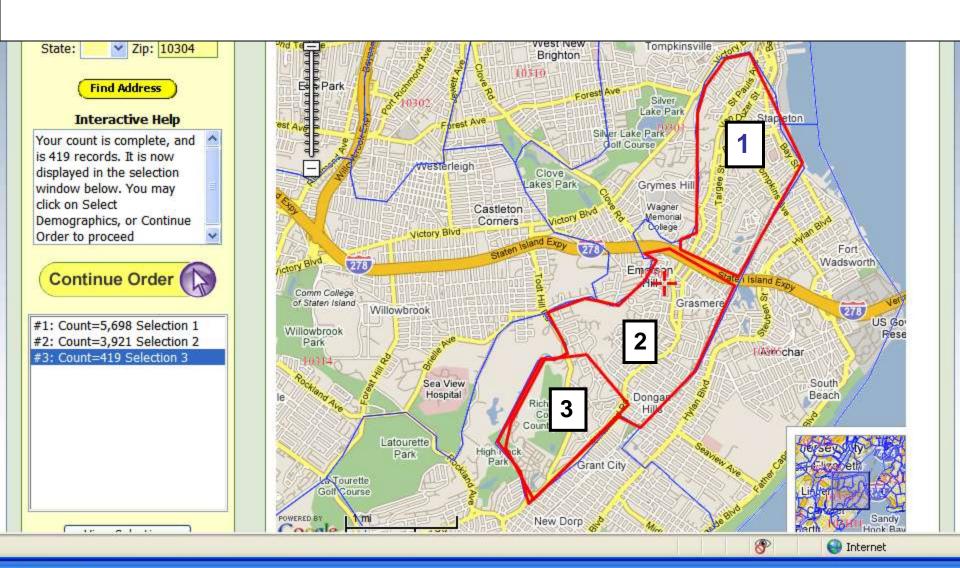


The Huntington Learning Center location in relation to the zip code.



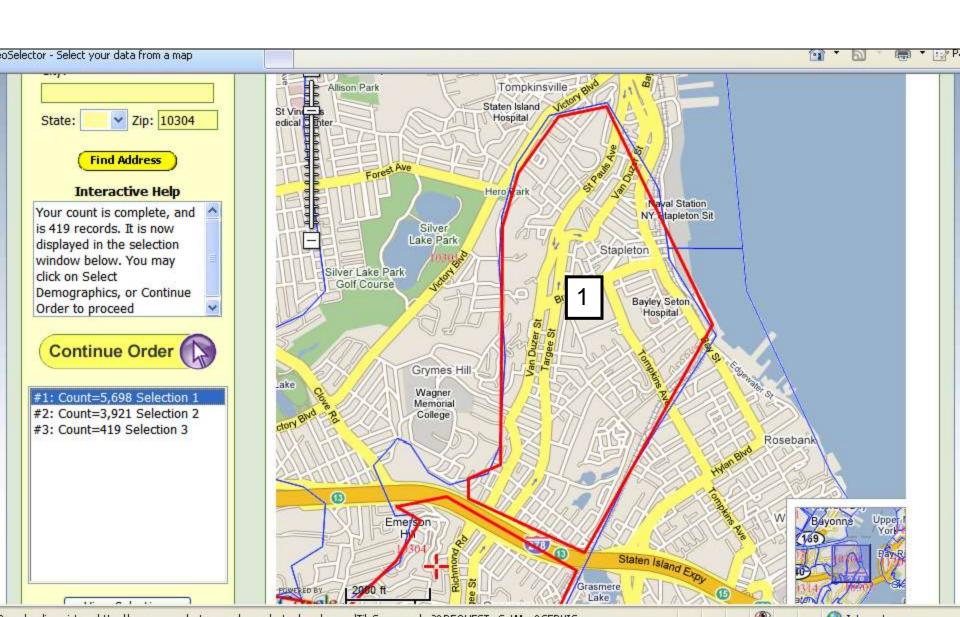


Break Down of the Zip Code into three sections





Section One Map



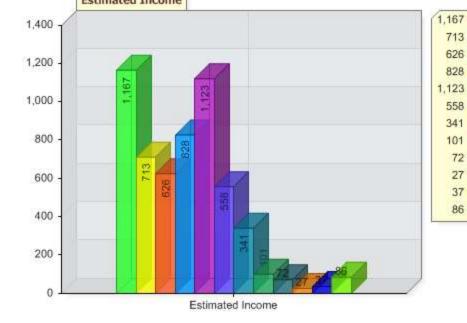
Section One - Demographic Report

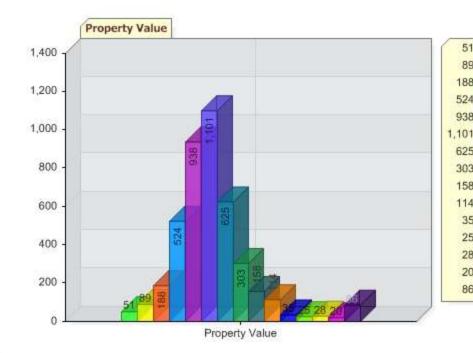
The top personality for your selection is African-American Neighborhoods K0



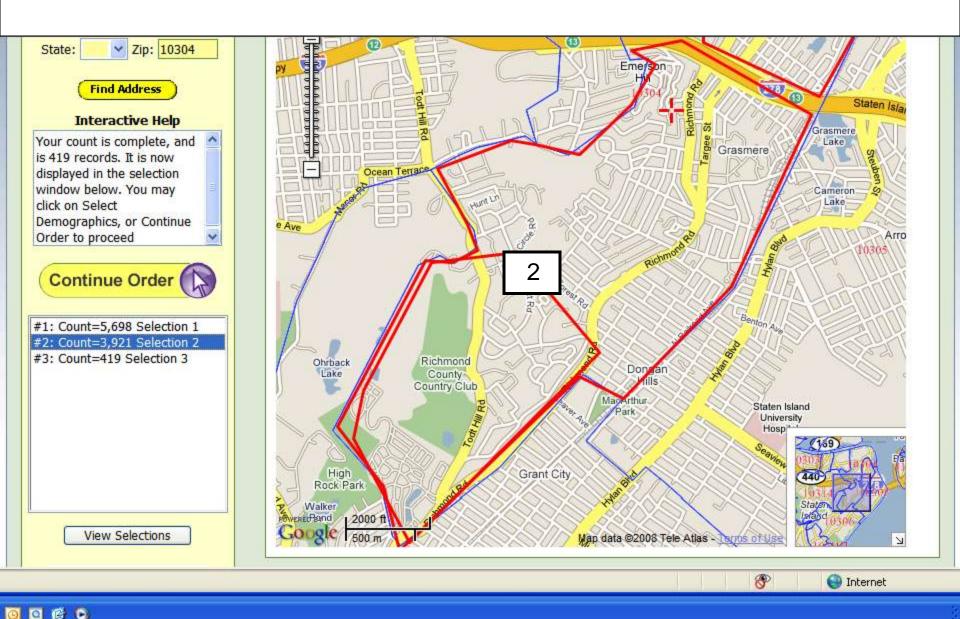
Young, working-class minority city dwellers and singleparent families with low educational levels living in older homes and low-rise apartments

For a detailed look at your top personality, and to browse other personalities click here





Section Two Map



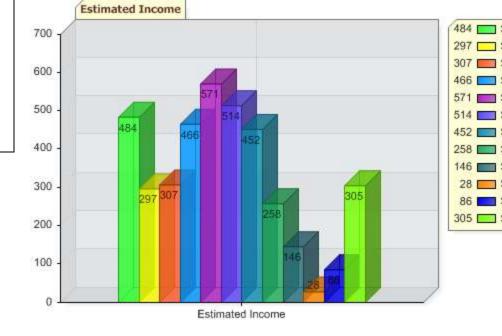
Section Two Demograpics

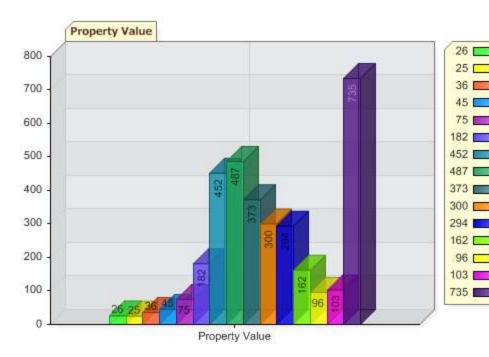
The top personality for your selection is Urban Commuter Families B03



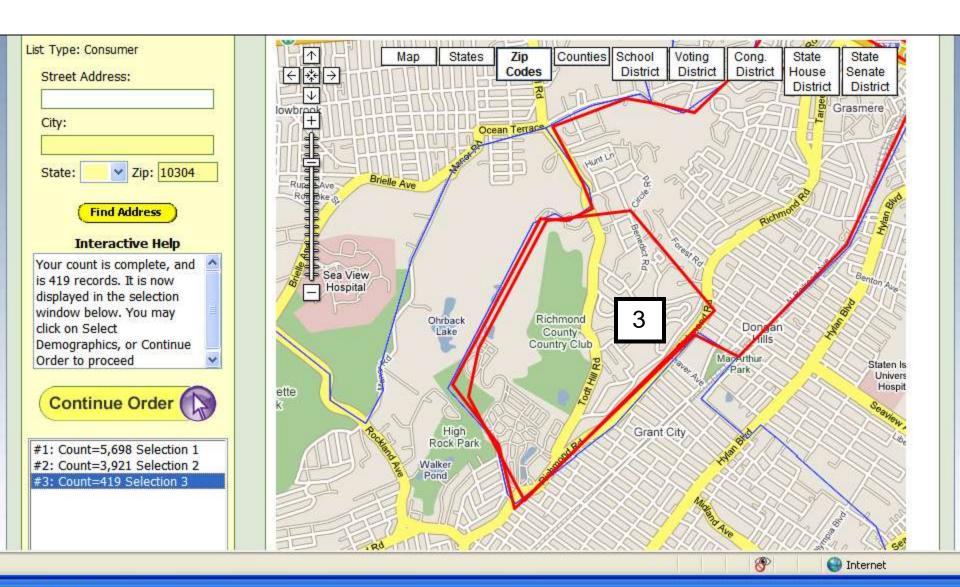
Upscale, college educated Baby Boomer families and couples living in comfortable, single detached homes in city neighborhoods on the metropolitan fringe

For a detailed look at your top personality, and to browse other personalities click here





Section Three Map





Total Households Analyzed: 419

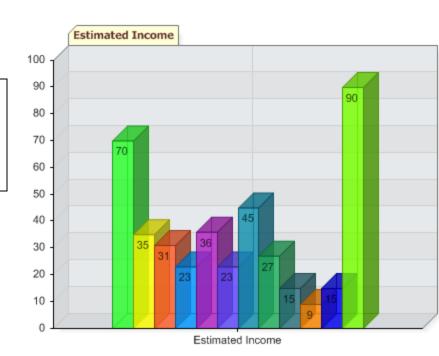
Section Three Demographics

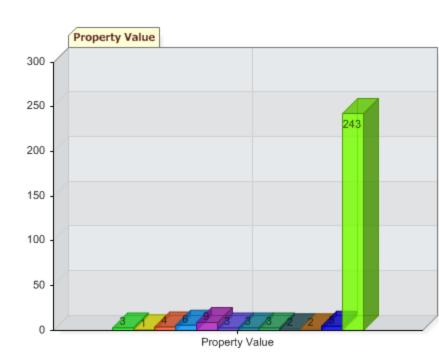
The top personality for your selection is America's Wealthiest A01



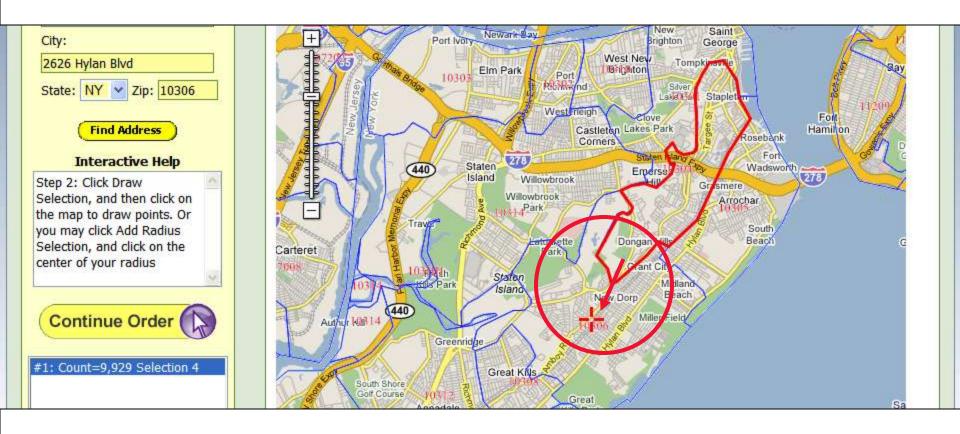
The nation's most wealthy households are financially secure with expensive tastes, living the most luxurious of lifestyles in the most affluent and exclusive communities

For a detailed look at your top personality, and to browse other personalities click here





This Huntington Learning Center location is within a few miles of some of best demographic households in the county. However, excluding all of zip code 10304, these families would be missed.

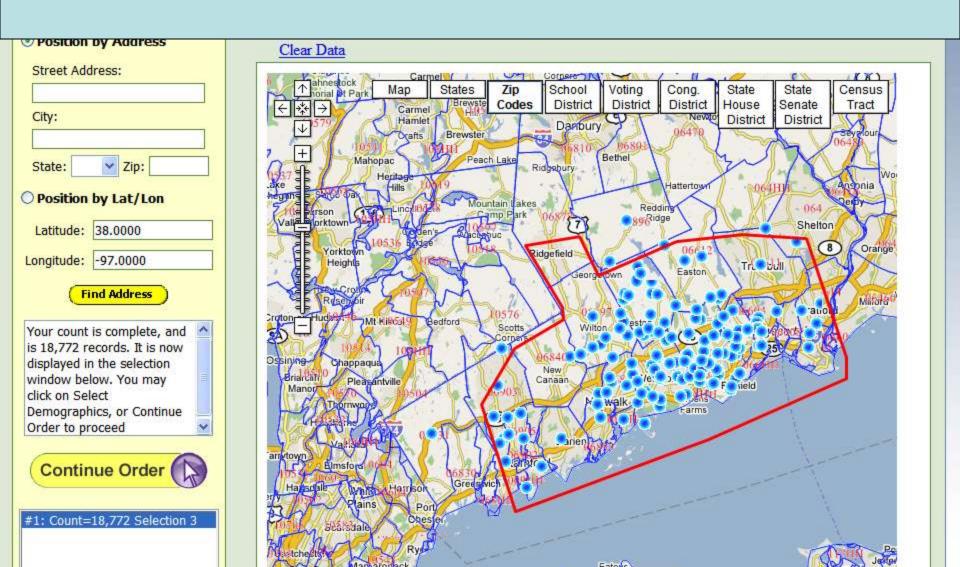


In the January mailing, sections 2 and 3 were included. Section one was omitted.





Westport for Feb 5th Mailing



Contact Information

Jim Doyle

jdoyle@american.edu

james.m.doyle@usps.gov