

Understanding Market Data

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Downloading Market Data:

There are a number of online sources for market data. Two of the most popular are

ESRI - www.esribis.com

Claritas – www.claritas.com

Each offers the option to download reports for a district on a pay as you go basis – each report costs between \$20 and \$50. The examples below are based on reports available from ESRI but Claritas offers basically the same reports in a different format.

Defining a Trade Area:

A trade area is the geographic area within which most of a businesses customers either live or work. Defining the trade area for an individual business is difficult. Defining the trade area for a commercial district is much harder. Each type of business tends to have a different size trade area. People generally travel much further for some kinds of products than others. A drugstore may sell primarily to people who live within a few blocks while an auto dealership will have customers that live more than an hour away. To speak of the trade area of a commercial district is really somewhat misleading. Every district has many different trade areas – some clusters of businesses will primarily serve neighborhood residents

Defining Terms:

Target area: This is the area within your commercial district boundaries. Your district may be only a few blocks long. Generally very few people actually live *within* the district, most customers live *around* the district.

Trade Area: The trade area for the district is the geographic area within which most of the district's customers live (or work).

Study Area: A Study Area is any area of whatever size surrounding your district that you generate reports for. You may not initially know the most appropriate trade area for your district but nonetheless you will want to generate some demographic information. You might want to run reports for three different study areas before settling on a specific trade area.

while others will draw people from several surrounding neighborhoods, while one or two may have citywide trade areas. To conduct any kind of market analysis you have to begin by making certain assumptions about the size of your trade area.

Choosing a Trade Area: Until recently it was common for market studies to define trade areas in terms of zip codes or census tracts. (i.e. the trade area might consist of zip codes 94610, 94608 and 94614) Before computer based mapping, it was extremely difficult to estimate the population or spending habits of the residents of any given area unless that area happened to be a zip code or census tract. The Census Bureau reports data by tract and by zip code. If your commercial district was in the very center of your zip code it was possible that the zip code would closely approximate your trade area. But what if your district was near the intersection of three zip code boundaries? Each zip code might include parts of neighborhoods that were not only far away but also very different from where your customers lived. You would like to know about the characteristics of the people who live in just the parts of each zip code that is closest to your district. ESRI's mapping system allows you to do just that. It will, for example, allow you to draw a circle around your district and generate your reports based on the population of that exact circle. Of course, since much of the data that they are using is only provided by zip code or census tract or block group, ESRI has to make some assumptions to estimate the exact population of any custom area. However, even if their estimates are slightly inaccurate, they are likely to be far more accurate than the numbers you would have generated if you were forced to define your trade area based on zip codes or census tracts.

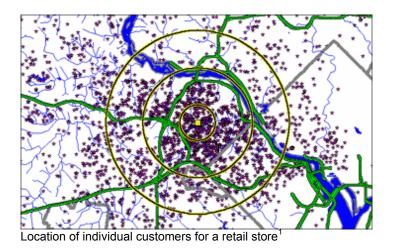


Site map showing 1, 3 and 5-mile areas and the 1,2 and 3-minute drive time areas around Oakland's EastLake district. Notice that the 2-minute drive time area (light green line) is close to the 1-mile radius.

Drive Time Areas: More recently it has become relatively easy to define trade areas in terms of "drive time." Drive time is a more complicated but probably a more accurate representation of who shops in your district. The system calculates who lives closest to your address or intersection based on how long it takes to drive there. This means that people who live on the other side of a body of water, for example, won't be counted but people at the next off ramp will. The drive times are calculated 'as if' people could drive at a constant speed without ever stopping! The result of this assumption is that the numbers of minutes don't make intuitive sense. It might realistically take people in the two minute drive time radus something more like 10 minutes to get to the center of your district depending on traffic.

How big is your trade area?

The best way to identify your district's trade area would be to survey shoppers in your district, ask them where they live and then plot the results on a map. If you drew a line around the area where most of the dots were clustered, that would be your trade area. An



easier approach would be to just ask people what zip code they live in and then define your trade area as the zip codes where most of your customers live. In some states it is possible to write down the license plates of people parked in your district and submit a list of numbers to the State and receive a list of the customer's zip codes. However, this kind of survey work is time consuming and expensive and it is very common for market researchers to simply apply

some general rules of thumb based on other areas that they have studied.

Neighborhood retail districts are said to have trade areas between half a mile and 3 miles in diameter and to serve between 3,000 and 30,000 people. Larger districts (those with more stores and more total retail square footage) will tend to have larger trade areas than smaller areas. Districts that sell more "comparison goods," things like electronics or furniture, will naturally have larger trade areas than those that focus more exclusively on "convenience goods" like groceries. However, there are very important differences between various areas of the country and between higher density and lower density areas and there has been almost no research on the trade areas of commercial districts serving low- and moderate-income neighborhoods.

Researchers often do not know what the appropriate trade area is at the beginning of their research, they will often generate and analyze data for more than one sized area and present the results side by side. For example, you will frequently see market reports on neighborhood commercial districts that list the population, spending estimates and other data for both a one-mile and three-mile radius for example.

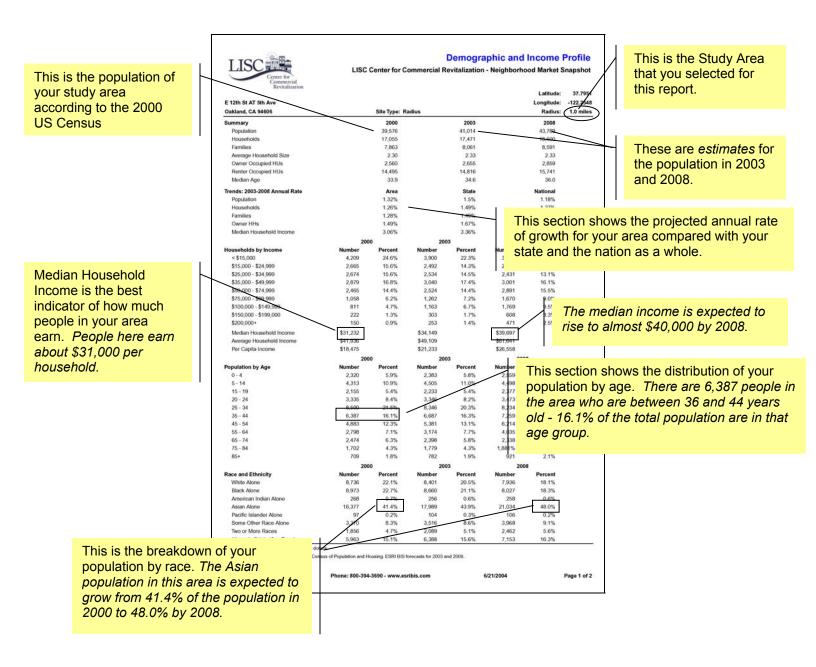
Reality Check:

ESRI's Market Profile report contains some of the same data contained in the basic reports listed below but it is laid out for easy comparison between three different trade areas. One way to evaluate the appropriate trade area for your district is to first generate a *Market Profile Report* and an *Enhanced Site Map* comparing 1, 2 and 3 minute areas (or 1,2 and 3 mile areas) and then look at the results and see if one or the other of the areas "seems" right or wrong in some way. If the larger area has a very different median income, for example, than the smaller area, that might indicate that it is too large. If you know your district, you should recognize your customers when you look at the demographic reports.

Demographic and Income Profile:

Overview: This report provides a brief description of the population living within your study area.

Reading the Report:



Source of the Data:

The numbers for 2000 are based directly on the 2000 US Census. If your study area includes parts of several different census tracts, ESRI estimates the population (and other statistics) of your exact area based on the populations of each of those tracts and the percentage of each tract that falls within your study area. The 2003 and 2008 numbers are based on the 2000 census numbers but are adjusted with a complex formula that ESRI has created from national and statewide population trends.

Defining Terms:

Households vs. Families: The census counts not only the number of people in an area but also the number of households and families. A "Household" is all the people who live in a single housing unit. It may be a family of 4 or a single person or 7 unrelated people, each is one household. The census defines a "family" as more than one person related by blood or marriage living in the same household. Therefore there are always more households than families in any area.

Median/Average/Per Capita Income: In addition to breaking down the population into income groups, the report provides the median and average household incomes and the per capita income. The per capita income is just the total income reported by everyone in the area divided by the number of people who live there. It is generally more useful to look at household income because, for example, the population includes children who don't often have any source of income but every household has some source of income. The average household income is the total income reported for the area divided by the number of households. It can be misleading because a few very high income households in an area can raise the average income quite a bit and make it look like people are generally better off then they are. The Median Household Income is a better indicator of what people in the area generally earn. If you took the income for every household and made a list from lowest to highest, the median would be the number in the middle of this list: half of the households in the area earn more than the median and half earn less.

Problems with the Data:

Census Undercount: The census is supposed to count everyone but actually finding every single person would be impossible. Over the past few decades the Census Bureau has been getting better at counting people, but in 2000 they are estimated to have "missed" over 3 million Americans. It has long been well understood that the Census tends to undercount low-income and minority populations more than others. Researchers at UCLA found that while the undercount for the state of California was approximately 1.4%, in some neighborhoods in Los Angeles, 5.9 percent of the population was not counted. This undercount means that not only might the population figures on this report be understated but the income and spending estimates on the other reports will understate

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¹ Paul M. Ong, and Doug Houston, The 2000 Census Undercount in Los Angles County, University of California at Los Angeles, December 2002 available at: http://lewis.sppsr.ucla.edu/research/workingpapers/LACensusUndercount.pdf

the economic strength of your community to whatever extent the census failed to count everyone.

Population forecasting: The report presents data for 2000, 2003 and 2008. You might wonder how they know how many people will live in your area in 2008! The 2000 numbers are based on the 2000 US Census, which involved going out and counting the people. Since the Census happens only every 10 years there really is no way to know how many people live in a given neighborhood until he next census. However there is quite a lot of data collected between censuses at the state and national level (ie. We know generally how much the state population has grown each year.) ESRI analyzes this "post census" data and based on general trends projects how those larger changes are distributed geographically or by income categories, etc. to make the 2003 estimate. They project the 2008 totals by assuming that those trends continue unchanged. Therefore the 2003 and 2008 numbers should be looked at with some skepticism. Researchers at the University of Wisconsin compared projections for Milwaukee neighborhoods for 1999 (Projected forward from the 1990 Census) with the actual 2000 census and found significant discrepancies particularly in low-income neighborhoods². Several neighborhoods were shown as having rapidly declining populations but turned out to be experiencing steady growth.

Under reporting of income: Keep in mind that the Census data presented here reflects only income that people have *reported* to the census. In most low- and moderate-income urban neighborhoods the actual income is far greater than the reported income – we just don't know how much greater. A research project in Chicago showed that families with reported incomes of less than \$10,000 per year reported *spending* over \$25,000 on goods and services³. It is impossible to know how much income is unreported but some researchers estimate that 20 percent of US economic activity is unreported and much of this activity takes place in low-income urban areas – where the percentage of unreported income would, therefore, be much higher. Some unreported income is from illegal activity but most is from activities that are perfectly legal (like childcare) but not reported to the IRS or Census Bureau.

Reality Check:

Local Data: Demographic data from the Census can be compared with more local "on the ground" data like school enrollment or church attendance in order to obtain a more accurate picture of demographic trends. For example, if ESRI's forecast shows declining population, rapidly rising enrollment at the local school might cause you to doubt the forecast.

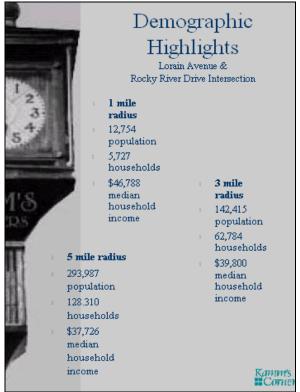
Customer Survey: In some districts, the demographics of the surrounding neighborhood are actually quite different from the demographics of actual customers, either because many customers are coming in from outside the area or because the district is mostly

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² Exposing Urban Legends: The Real Purchasing Power of Central City Neighborhoods by John Pawasarat and Lois M. Quinn, Brookings Institution, June 2001 available at: http://www.brookings.edu/es/urban/pawasaratexsum.htm

³ ROBERT WEISSBOURD, The Market Potential of Inner-City Neighborhoods: Filling the Information Gap, Brookings Institution, 1999 available at: http://www.brookings.edu/es/urban/Weissbourd.pdf

serving one sub group of the neighborhood's population. Directly surveying customers shopping in your district can provide demographic information about your actual customers.



The Kamm's Corners district in Cleveland put together a presentation about their district which included this page which provides population and income data.

Using the Data:

This report answers questions like:

- Who lives in this community?
- Are there many children, here?
- How many Seniors live in the area?
- How much do people earn?
- Are most families renters or homeowners?
- Which parts of the population are growing the fastest?

The basic population count, income, age and race breakdowns of your neighborhood can be used in many different ways. In addition to providing this basic population snapshot to potential retailers and developers it can be useful for foundation proposals.

Further Research:

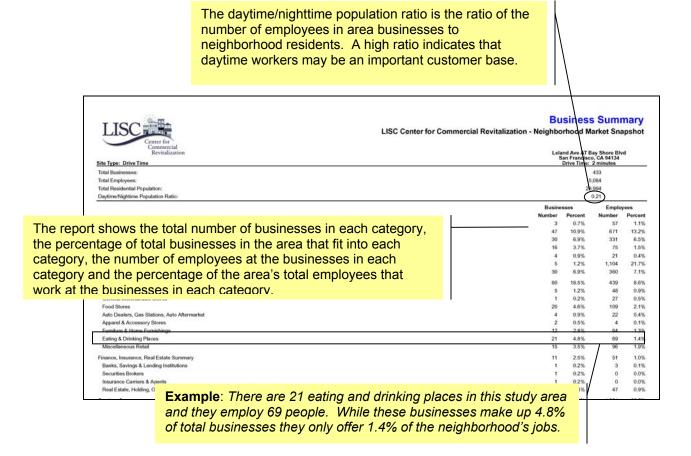
Additional Reports: ESRI offers several other reports that provide additional detailed demographic information about the population living within your study area, including:

Housing Profile: This report provides additional information on local housing conditions including the number of vacant units, the age of housing units, the number of multi-unit buildings as well as estimates of rents and home values at the time of the 2000 census.

Net Worth Profile: This report estimates the total net worth of local residents by age group and provides a break down of sources of wealth (housing, stocks, etc.).

Census Bureau: The Census Bureau's web site (www.census.gov) provides an enormous quantity of additional demographic data for predefined geographic units (Counties, zip codes, census tracts).

<u>Overview</u>: This report provides a count of the number of businesses located within your study area in each of several standard categories. It also provides the number of employees in these businesses. It is helpful in identifying existing clusters of businesses in your community.



Source of data: The data is based primarily on tax filings and is supplemented by telephone listings and other sources. The data may be several years old.

Problems with the data:

These reports often fail to capture many small independent retail businesses and home based businesses (even when they pay their taxes regularly). Therefore the reports generally understate the number of businesses in urban neighborhoods. The employee counts are often quite inaccurate also.

Reality Check:

This is the easiest report to reality check. A business inventory compiled by driving or walking the district may not be more accurate than this published data, but it will probably identify many businesses that are not counted on this report. If it is important to know exactly how many auto parts stores are in your trade area, it should be easy to drive

around and find at least as many as are listed in the report. If you find more, update the total.

Using the Data:

Employee market: Area residents are not the only customers for your stores. If your district is located near places where large numbers of people work, these employees represent an important market for your businesses. The relative importance of workers is measured by the Daytime/nighttime Population Ratio shown at the top of the report. A ratio of 1 would represent an area where there were exactly as many workers as residents. Areas with a high ratio will tend to have more businesses that target workers (ie. more places to eat lunch, etc.) Consider listing the numbers of employees in addition to residential demographics in your promotional material or leasing packet.

In addition to the total number of employees, the types of businesses where the largest numbers of people work can also be important to the district's strategy. Health Care workers might support a uniform store, for example. A district's promotion strategy might be influenced by the employer mix. For example, a district with a few very large employers might want to work with these companies to sponsor promotional events, while one with many smaller employers may have no choice but to reach employees directly.

Note: while the Business Summary can be used to evaluate the mix of retail businesses in a district, the Retail Marketplace Profile provides a more complete picture.

Further Research:

Employer Surveys/Interviews: In neighborhoods where employees represent a significant market, it is worth considering interviewing or surveying major employers to get more information about the likely spending patterns of their employees. Among other things, you might want to know the range of annual incomes and the hours that employees work.

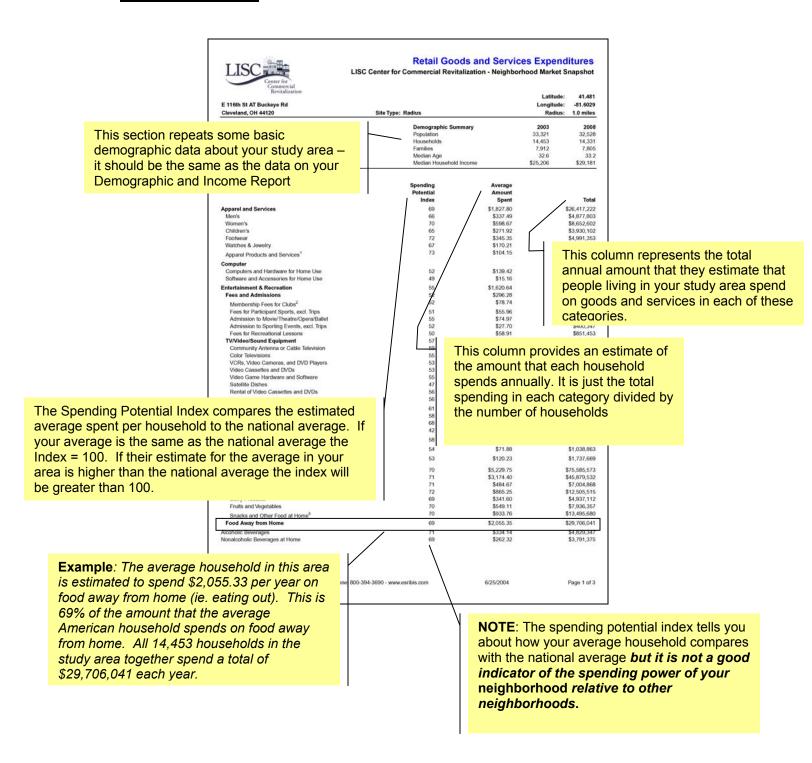
Windshield Survey of Competing districts: Put the business mix in your neighborhood in context by driving through nearby districts and making note of the type, size and quality of retailers located in each.

Cluster Analysis: a single retail district may serve several different markets at the same time. Make a map of your district on which you mark each business and then look for patterns in their locations. Do you have clusters of similar businesses? They may be similar because they are the same type of business (ie. restaurants) or similar because people may shop at them all on the same trip (ie. record store and book store).

Retail Goods and Services Expenditures:

<u>Overview</u>: This report provides estimates of the average household spending and total annual spending on each type of retail good or service. It is useful in identifying categories where your community has relatively higher spending power.

Reading the Report:



Source of Data:

This report is based on information collected by the Bureau of Labor Statistics in their annual Consumer Expenditure Survey. The BLS surveys 5000 households each year and publishes a report on how much different people spend on different consumer goods and services. The data is not collected for different locations – there is only one national sample. ESRI takes the information from this national sample and then, based on the demographics of your area, estimates how much people in your study area spend on each of these products. For

The Retail Marketplace Report (see below) compares estimated consumer spending with actual reported sales in the study area and therefore provides a better picture of untapped market opportunities however, that report is organized by type of store rather than type pf product and may be less accurate.

example, if the Consumer Expenditure Survey says that African-American Seniors spend \$250 per year on footwear while Asian teens spend \$1200, they multiply the number of people in each of these categories by the appropriate figures and do the same for everyone else in the area population to arrive at their estimate of total expenditures on Footwear for your study area. The average amount spent is just the total divided by the total number of households.

Defining Terms:

Spending Potential Index: The Spending Potential Index compares the estimated average spent per household to the national average. If your average is the same as the national average the Index = 100. If their estimate for the average in your area is higher than the national average the index will be greater than 100.

Tapestry Lifestyle Segments: This report includes a summary of the study area's population according to a lifestyle segmentation system known as Tapestry. Tapestry is one of several such systems which group people (and neighborhoods) based on likely consumer behavior in order to simplify the process of identifying target markets for retailers and other businesses. ESRI publishes several other reports that provide more complete data on the Tapestry segments. There are some serious problems with systems like Tapestry reinforcing negative stereotypes of urban neighborhoods. See "Exposing Urban Legends: The Real Purchasing Power of Central City Neighborhoods" by John Pawasarat and Lois M. Quinn, Brookings Institution, June 2001 available at: http://www.brookings.edu/es/urban/pawasaratexsum.htm for a discussion of the application of these segmentation systems to low-income urban neighborhoods.

Problems with the Data:

Small Sample: While the report may seem to be saying that people in your area spend more than the national average on shoes, all it is really saying is that you have more of the kind of people who tend to spend money on shoes than other neighborhoods. ESRI does not really know whether teenagers in your area spend more on shoes than teenagers across town, they only know whether you have more teenagers. Not everyone in a given demographic category behaves the same way. The Consumer Expenditure Survey is based on a *very* small nationwide sample. Because most people in America live in middle-income neighborhoods, the survey does a better job of reflecting what middle-income suburban families spend their income on.

Average spending vs. total spending: Like nearly all national market research data these reports are built around the assumption that marketers are interested more in average household income and spending than they are in the total (aggregate) spending in an area. Most retailers and market analysts seem to have assumed that areas with higher average spending per household would also be the areas with the highest total spending. This is very far from the truth. This faulty assumption puts low-income urban areas at a very serious disadvantage. What urban markets sometimes lack in average spending power they often more than make up for in total spending because they are generally much more densely populated. In a higher-income, lower-density area each family may spend more on shoes each year than families in the low-income neighborhood but since there are far more families in the low-income community, the total spending on shoes may be far higher. Failure to appreciate the impact of density is one of the key factors that have led retailers to underestimate the potential of neighborhood markets. To really understand a neighborhood market, you have to encourage retailers to look at the total spending not just the household average.

Therefore it is important to notice that ESRI's Spending Potential Index is based on the average spending per household not the total spending. This means that if you run this report for two different study areas with one mile radii, the lower-income area might have a lower spending potential index for any given product, while at the same time having estimated total spending on that product that is quite a bit higher than that of the other area. The spending potential index tells you about how your average household compares with the national average *but it is not a good indicator of the spending power of your neighborhood relative to other neighborhoods*.

Reality Check:

While this type of report is probably the only way to estimate the total spending for each category of product, it is not the only relevant source of information about consumer behavior. Directly surveying area residents about where they shop, what kinds of products they buy and how often, will yield important data that can supplement this report. Retailers may still want this kind of estimate for total spending, but if your survey shows that residents report renting an average of 6 DVDs a week that might lead you to conclude that your area has above average demand for video rental, even if the ESRI estimate says your neighborhood is only average.

Using the Data:

This report answers questions like:

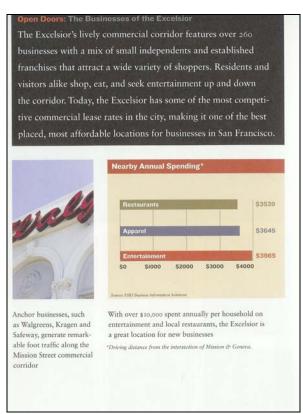
- How much do people in this area spend on various goods and services?
- What is the total dollar amount of spending on each item?
- How does average spending per household compare with the national average?

Retail Strategy: The goods and services expenditures report, used in conjunction with the Retail Marketplace Report (See below), can help to identify potential business types that might succeed in a neighborhood. While the total estimated consumer

These reports are no substitute for common sense, they can only point in the direction of potential business opportunities.

spending for any given category may sound impressive, it is hard to know how large it is *supposed* to be. If it says that residents of your trade area spend \$3 million a year on men's clothing, is that a lot relative to other areas?

While the Spending Potential Index is not an ideal indicator of a neighborhood's spending power, it can help put your neighborhood's numbers in context by comparing them to national averages. Keep in mind that it compares the average spending per household to the national average household spending rather than comparing the neighborhood's total spending to some (imaginary) national neighborhood average. Still, the categories with the highest numbers in the Spending Potential Index column



The business attraction booklet for San Francisco's Excelsior District provides spending data for the three categories that the community identified as top priorities for new businesses.

represent goods and services that people in this area are likely to spend more of their money on relative to others in the country. If these goods and services are not readily available in your area, they *may* represent opportunities for new businesses or for new product lines for existing businesses.

Compare the categories where the spending potential index number is highest to a list of businesses that people in the neighborhood say that they want. The lists may not be identical but if people say that they want a shoe store and the report shows that people in the area spend more than the national average on shoes, you might consider spending more time researching the market potential for shoe stores.

Business Attraction: Many retailers are accustomed to evaluating neighborhoods based on estimates of household average spending. To the extent that the numbers in your report show relatively high average spending in the categories of

business that you are trying to attract, presenting the average household expenditures and the Spending Potential Index numbers to businesses should help. Where these numbers are not favorable, focusing on the total spending might be more effective. In either case, you will want to present only those categories that you are interested in attracting to your community, rather than reprinting the entire report.

Business expansion: Of course existing retailers may be in the best position to take advantage of the market opportunities that this report identifies. Some revitalization programs have been successful in encouraging businesses to expand their product lines by identifying goods or services that are currently not being offered in the district and then sharing data with local retailers about the size of the potential market for these items.

Further Research:

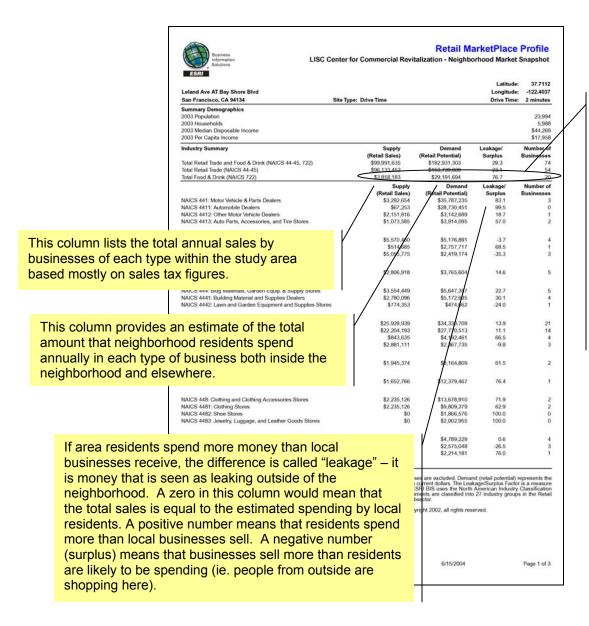
Concentrated Buying Power: Calculate the number of square miles in your trade area and divide the total estimated consumer expenditures by the square miles for an estimate of the concentrated buying power. This statistic offers a means for comparing the relative spending power of different areas with different levels of housing density. (note: if your study area is based on a 1 mile radius it contains 3.14 square miles. 2 miles = 12.57, 3 miles = 28.27)

Comparative Spending Power: Identify a neighborhood in the surrounding area that has the kinds of retail that local stakeholders think your commercial district should have and run this report for that district and compare the spending power of that District's trade area to your own.

Additional consumer behavior data: ESRI publishes a number of additional reports which are not included in LISC's basic subscription, that provide additional data on consumer behavior. In particular the Retail Market Potential report (\$75) provides estimates of the number of consumers in the study area that have exhibited certain consumer behaviors like, purchased bottled water, rented a DVD within the last 30 days, eaten at a sit down restaurant in the last 6 months, etc. They offer additional reports specific to certain industries including, health care, pets, sports, and restaurants.

Retail Marketplace Profile

Overview: This report provides a count of the number of businesses located within your study area in each of several standard categories. It also provides the number of employees in these businesses. It is helpful in identifying existing clusters of businesses in your community.



Example: In this area there are 20 Food and Drink businesses that. together, do \$3,858,183 in annual sales. Residents in the area are estimated to spend \$29,191,694 each year at Food and Drink businesses. A leakage factor of 76.7 indicates that residents are spending more than 2/3 of this money outside of the area.

Source of data:

The count of businesses and the retail sales figures are based on sales tax records but may be estimated based on tax data reported for larger areas (like a whole county) and then estimated for your area based on the number of businesses. The consumer demand estimates are more complicated but are ultimately based on data collected by the Bureau of Labor Statistics which is then adjusted based on data from the Census of Retail Trade.

Defining Terms:

Disposable Income: This report lists the Median Disposable Income, which is just the money that people retain after paying income taxes.

Leakage Factor: If area residents spend more money than local businesses receive, the difference is called "leakage" – Leakage is money that is seen as leaking outside of the neighborhood when people go elsewhere to spend their money. A zero leakage factor would mean that the local shops received as much money as local people were estimated to spend. A positive factor represents local money that is spent outside the area. Negative numbers (surplus) indicate that people from outside the area are coming in to the neighborhood to shop (ie. the area sees more goods sold than the total estimated demand for all local residents). Keep in mind that both of these things happen in every neighborhood all of the time so that even if there is zero leakage factor it just means that the money people in the neighborhood spend elsewhere balances the evenly against the money outsiders are spending in the area.

NAICS Codes: This report is organized according to NAICS (North American Industry Classification System) codes. These codes, which used to be called SIC (Standard Industrial Classification) codes, are used by the Census Bureau and others to categorize all US businesses. The coding system is designed such that similar businesses are grouped into more general categories so that results can be totaled and subtotaled at different levels of detail. For Example, Grocery stores are 4451 while Liquor stores are 4453. Code 445 is used to refer to all "food and beverage stores" including groceries and liquor stores among others. Similarly, code 44 ("Retail Trade") summarizes all of the categories that begin with 44. On this report, ESRI has selected only a small handful of the thousands of 4 digit NAICS categories. Some of the 4 digit categories appear on the list beneath the 3 digit category that they fit within while others are listed without their

Problems with the data:

Layers of estimates: Like the Retail Goods and Services Expenditures Report the consumer demand information here is ultimately based on information collected in the Bureau of Labor Statistics annual Consumer Expenditure Survey. However the survey asks people about how much they spend on certain goods but this report lists demand for certain kinds of stores. For example, the survey tells us how much people say that they spend on clothing but not whether they buy it at clothing stores or department stores. While the Retail Goods and Services Expenditures Report presents estimates for each study area based on the same categories used in the annual survey, this Retail Marketplace Report attempts to estimate the sales for each type of retail business (ie. clothing stores, department stores, etc.). In doing so it inherits all of the problems related to the very small sample size of the Consumer Expenditure Survey while introducing an additional set of assumptions that are not likely to apply equally in every community. To take just one example, even if the estimate or how much people in a given neighborhood

spend on clothing were accurate, this report assumes that a percentage of that money for every neighborhood is spent at online retailers but internet usage is not the same in every community. If the amount spent online is overstated, the estimated demand for clothing stores will actually be higher than what is shown on this report. The danger of layering assumptions upon assumptions is that, because the result is a very specific number, people tend to think that the result is more accurate than it really is. These numbers should be understood for what they are: rough estimates based on some very general assumptions.

Leakage: The concept of leakage is very important but it can be misleading when applied at the neighborhood scale. At a large geographic scale (think nations or regions) the extent to which local money is spent outside the region is a fairly good measure of the health of the local economy. Economic development professionals tend to focus on identifying goods that are being imported which could be produced and sold locally as a way of keeping more money circulating in the local economy. This can work at the neighborhood scale also; when people leave the community to buy groceries, there may be an opportunity to "capture" a greater share of local spending by opening a grocery store in the neighborhood. However, leakage in the Automobile Dealers category probably does not represent any kind of opportunity. We can calculate a leakage factor for every category for any sized geographic area but the smaller the study area, the fewer of the numbers have any real meaning. Just because we can calculate a number should not lead anyone to conclude that their neighborhood should expect to capture any particular percentage of what local residents spend on new cars. Even with categories like hardware, clothing and shoes, no neighborhood captures all of the local resident's spending. Neighborhoods are not really self-contained economies in that way.

Reality Checking:

This may be the most important report but, unfortunately, it may also be the least reliable. Small errors in the data can result in very large changes in the leakage estimates for small trade areas. For example, if one business is not included in the underlying data, the business count may be off by one but one large business might be the difference between high leakage and a surplus.

Consultants: While this report is a very convenient planning tool, it is worth considering paying a market research consultant to produce a similar leakage analysis before relying too heavily on the results or publicizing them too widely. Most researchers will use the same raw data but they may use different formulas to produce the estimates. An experienced researcher should be able to identify results that don't quite make sense and can double check their underlying data and their formulas for errors – something that cannot be done with a packaged report.

Surrounding Retail: No matter what boundary you use to define your trade area, there is always some retail just outside your boundary, which has a significant impact on what is possible within your district. When looking at the data, keep in mind what kinds of retailers are located nearby but outside your trade area.

Using the data:

This report is intended to answer one important question:

• Is there unmet consumer demand for any type of additional retail stores?

Strategy: The leakage factor provides a quick way to evaluate the potential market for each type of business. For some of the business categories, a high leakage factor is an indicator that a new business could succeed in your community. For others, it is simply an indicator that the entire category of business is just operating at a larger regional scale – meaning no neighborhood can expect to capture much of the sales anymore. Unfortunately, no one can tell you which is which. Some people will say that in the age of big box super centers, neighborhoods can no longer expect to compete in hardware sales (NAICS 4441) while others will point to new smaller store formats being offered by Home Depot and the continued success of many independent neighborhood hardware stores. This report cannot tell you whether a neighborhood hardware store can survive in your community, but it can tell you how much your residents are spending outside the area on hardware.

Categories that merit special attention for urban commercial districts include:

NAICS 4413: Auto Parts, Accessories, and Tire Stores

NAICS 4421: Furniture Stores

NAICS 4422: Home Furnishings Stores

NAICS 443/NAICS 4431: Electronics & Appliance Stores

NAICS 4441: Building Material and Supplies Dealers

NAICS 4442: Lawn and Garden Equipment and Supplies Stores

NAICS 4451: Grocery Stores

NAICS 4452: Specialty Food Stores

NAICS 446/NAICS 4461: Health & Personal Care Stores

NAICS 447/NAICS 4471: Gasoline Stations

NAICS 4481: Clothing Stores

NAICS 4482: Shoe Stores

NAICS 4483: Jewelry, Luggage, and Leather Goods Stores

NAICS 4511: Sporting Goods/Hobby/Musical Instrument Stores

NAICS 4512: Books, Periodical, and Music Stores

NAICS 4529: Other General Merchandise Stores

NAICS 4531: Florists

NAICS 4532: Office Supplies, Stationery, and Gift Stores

NAICS 4533: Used Merchandise Stores

NAICS 4539: Other Miscellaneous Store Retailers

NAICS 7221: Full-Service Restaurants

NAICS 7222: Limited-Service Eating Places

Strategy: Another strategic use for this report is to help community members focus their energy on potential tenant types with the strongest potential market, even when these may not be at the top of community wish lists. Sometimes the data will make a convincing argument that there is not enough of a market to support any more of a particular type of business that people say that they want to bring in to the neighborhood.

Excerpt: Ward 15 Commercial Revitalization Study - Cleveland, OH.

"Due to the expressed needs of the community an analysis of area grocery stores was conducted to determine the commercial viability of adding a larger full-service grocery store within the primary market area. The study concluded that there are insufficient grocery store expenditures as related to current supportable space and market conditions to support a new, full-service grocery store development within the primary market area.

Market research shows that the total study area has annual grocery store expenditures of \$91.0 million. The grocery store expenditures by study areas are \$32.7 for the primary market area and, 58.3 million in the total market area. Comparatively and competitively, a typical full-service, 50,000 square foot grocery store has an annual sales volume threshold of approximately \$13 million. There are currently five grocery stores located within the total study area with 226,320 square feet of combined space."

- From the Ward 15 Commercial Revitalization Study, Conducted by Basile Baumann Prost & Associates for the Old Brooklyn Community Development Corporation, a participant in LISC's Re\$tore Cleveland program.

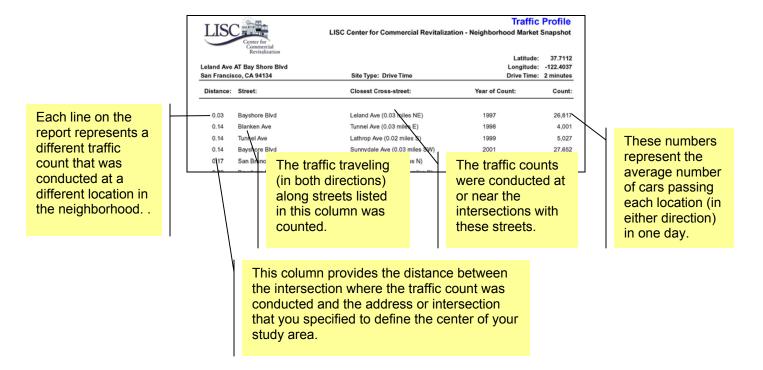
Business Attraction/Leasing: Once you have a list of target retail types, it can be helpful to provide potential businesses with the estimates from this report. While the Leakage factor may not be meaningful out of context, showing a potential Shoe Store operator that there is approximately \$x million spent by local residents at shoe stores and only 2 local stores selling approximately \$Y million worth of shoes each year.

Traffic Profile

Overview:

This report provides counts of the number of vehicles driving along various streets in or near the study area each day.

Reading the Report:



Source of the Data:

Traffic count data is generally compiled by local transportation agencies using automatic counting devices that are installed for a period of several weeks on a given street. These studies are not conducted according to any regular schedule. ESRI provides the 25 most recent available counts for locations that are relatively close to your study area.

Reality Check:

If ESRI does not provide counts for the street that you need or the data is outdated, try contacting your local transportation department; they may have more recent data. If necessary, you can conduct your own traffic count by posting volunteers at one or more key intersections to count cars by hand. You don't need to count for 24 hours but you should count on several different days and average the totals. You might just count the number of cars during weekday rush hours in the morning and evening, for example. This won't give you the daily total traffic but the numbers can be just as useful. In fact, being able to compare traffic volumes at different times of day can often be useful for understanding the behavior of commuters.

Using the Data:

Business Attraction: Certain retailers have very clear standards related to traffic counts for potential sites. They won't consider locating somewhere where there are fewer than X cars passing daily. Other retailers with less specific requirements may be interested in knowing how many potential customers drive past a site each day. Keep in mind that high traffic volume may not translate into large numbers of customers for every business. Most commuters will never stop on their way to or from work. People who do stop will only tend to stop for certain kinds of convenience goods (ie milk but not appliances). This means that traffic counts are more important to certain retailers than others.

Further Research:

Transit Ridership: Public Transit operators can often provide daily ridership on bus and train lines that pass through your district. This information provides an essential supplement to the traffic count data in most urban neighborhoods.

Parking Inventory: Perhaps as important as knowing how many cars are passing through your district, is understanding where and how easily they can park if they choose to stop. Make a list or map identifying all of the parking spaces (on street and off street) that are available to the public within your district.