Research Topic

How retail location can affect business?

Zhuo Leng

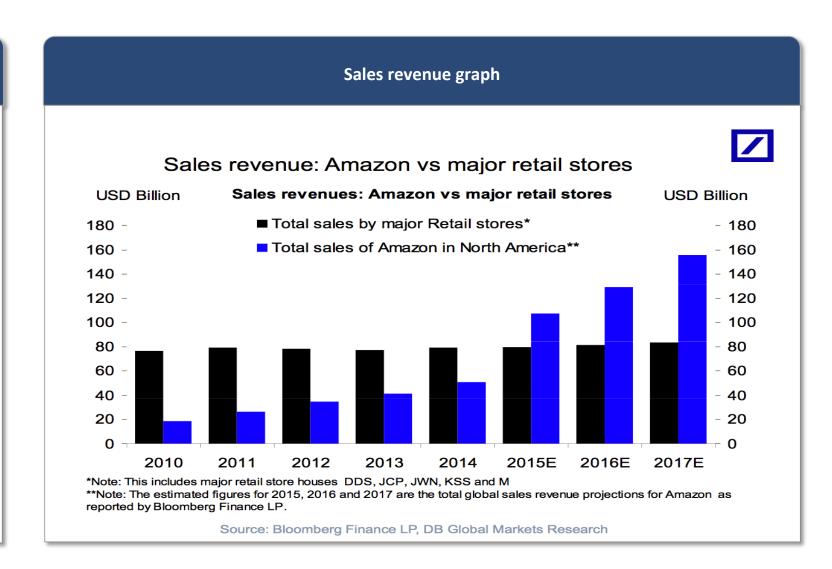
Apr 5, 2017

Why I want to study this?

Research Background

background

- Facing challenges from E-Commerce giants, such as Amazon
- However, the vast majority of retail sales in U.S still happen offline
- Understanding retail business and help them fight against E-Commerce became an interesting topic.



Research Question

Research Question

How retail location factors (demographic factors, spatial pattern, etc.) affect retail business outcome (e.g. sales) of different types shopping center in U.S?

Literature Review

Duggal, Niti . "Retail Location Analysis: A Case Study of Burger King & McDonald's in Portage & Summit Counties, Ohio ." Ohiolink. December 2007. Kean, Rita, LuAnn Gaskill, and Larry Leistritz. "Effects of community characteristics, business environment, and competitive strategies on rural retail business performance." Proquest. 1998.

Research Contribution

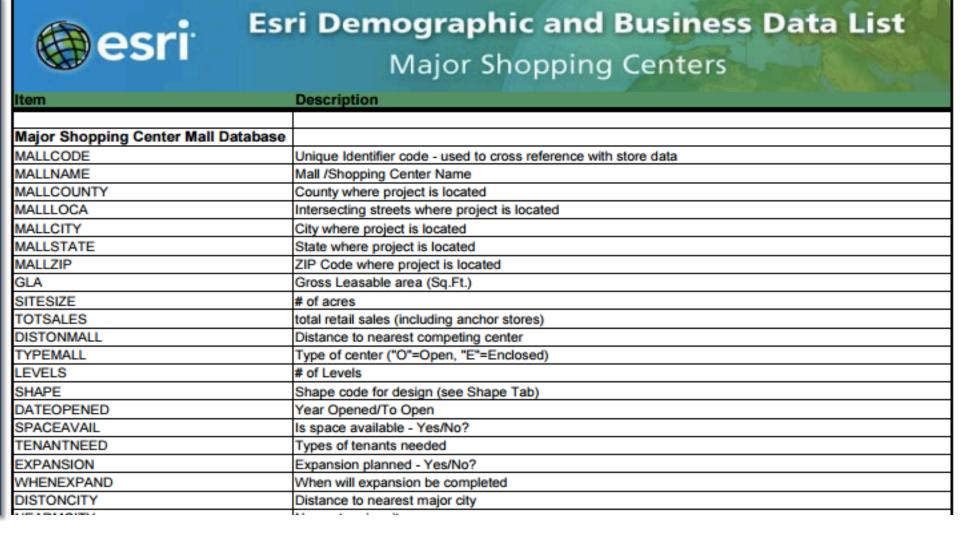


How to answer my question?





~ 100 variables



Variable list

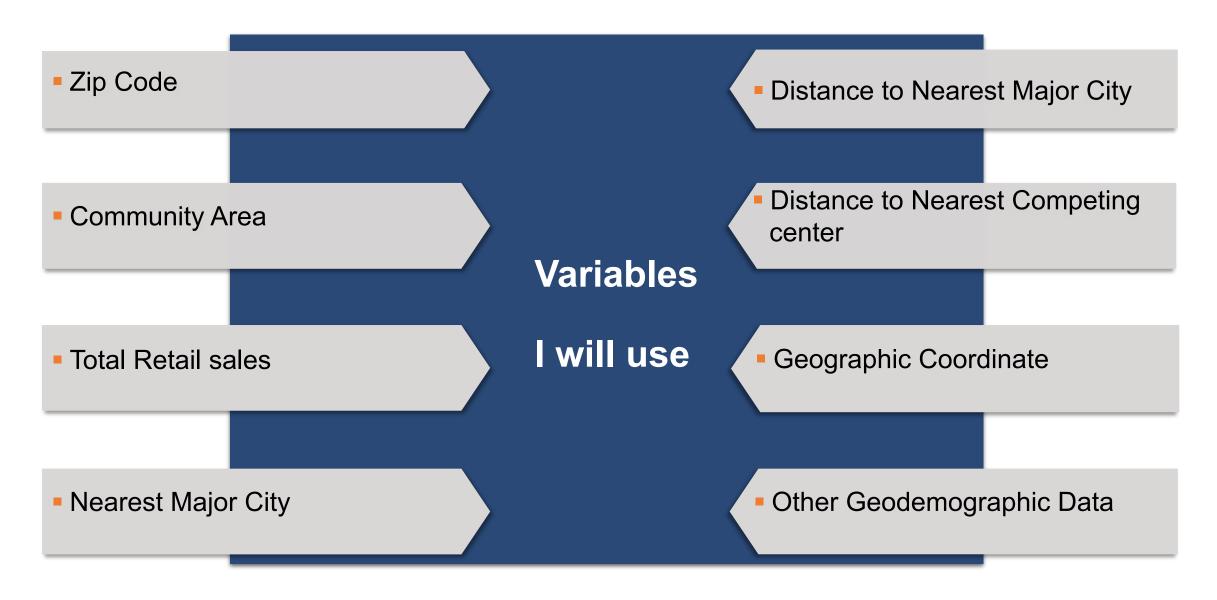
Store Type Identify

STORETYPE	Description
3A	Anchor
4G	Barbers, Beauty
3M	Children's Apparel
5T	Entertainment
3U	Food & Restaurants
4A	Gifts, Cards, Books

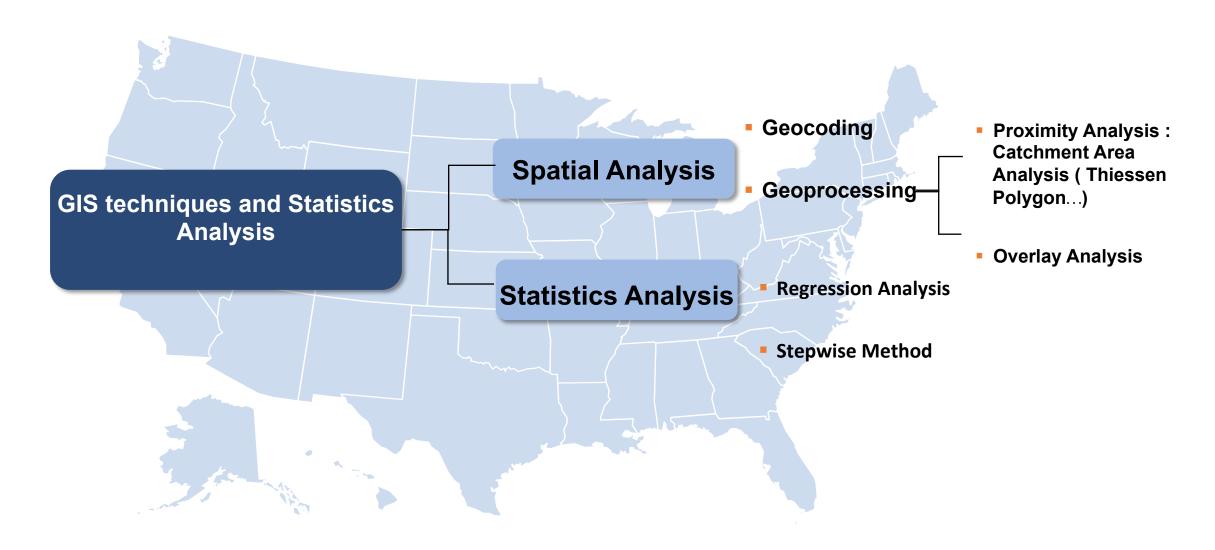
© 2013 Esri Phone: 800-292-2224 • www.esri.com Page 2 of 3

@esri	Esri Demographic and Business Data List Major Shopping Centers
Item	Description
5H	Hi-Tech
3W	Jewelry
3J	Men's Wear
5Z	Miscellaneous
58	Services
3D	Shoes
4M	Specialty Store
4B	Temporary Tenant
3S	Unisex/Family Clothing
3G	Women's Wear
CENTER_CLASS_ID	CENTER_CLASS_NAME
CC	Community Center
=-	la

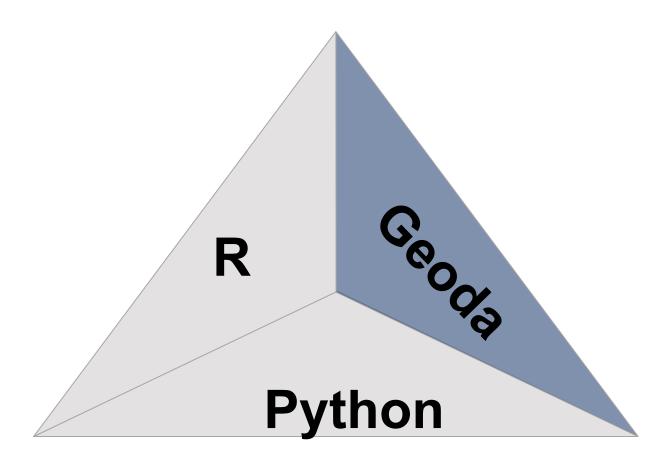
CENTER_CLASS_ID	CENTER_CLASS_NAME	
CC	Community Center	
EC	Entertainment Center	
LC	Lifestyle/Specialty Center	
OF	Other	
PC	Power Center	
RC	Regional Center	
SR	Super Regional Center	
UU	Unknown	
VR	Value Retail Center	
DESIGN_TYPE_ID	DESIGN_DESCRIPTION	
E	Enclosed	
0	Open	
U	Unspecified	
•		
SHAPE_ID	SHAPE_DESCRIPTION	
A	A-Shaped	
В	B-Shaped	
C	Cross-Shaped	
D	Dumbbell-Shaped	
Е	E-Shaped	
F	F-Shaped	
G	G-Shaped	
Н	H-Shaped	
1	Irregular-Shaped	
L	L-Shaped	
M	M-Shaped	
N	N-Shaped	
0	Round-Shaped	
P	P-Shaped	
Q	Square-Shaped	
R	Rectangle-Shaped	
8	Strip-Rectangle	
T	T-Shaped	
U	U-Shaped	
V	V-Shaped	
W	W-Shaped	
Х	X-Shaped	
Y	Y-Shaped	



Analyses



Computational tool



THANKS

Zhuo Leng