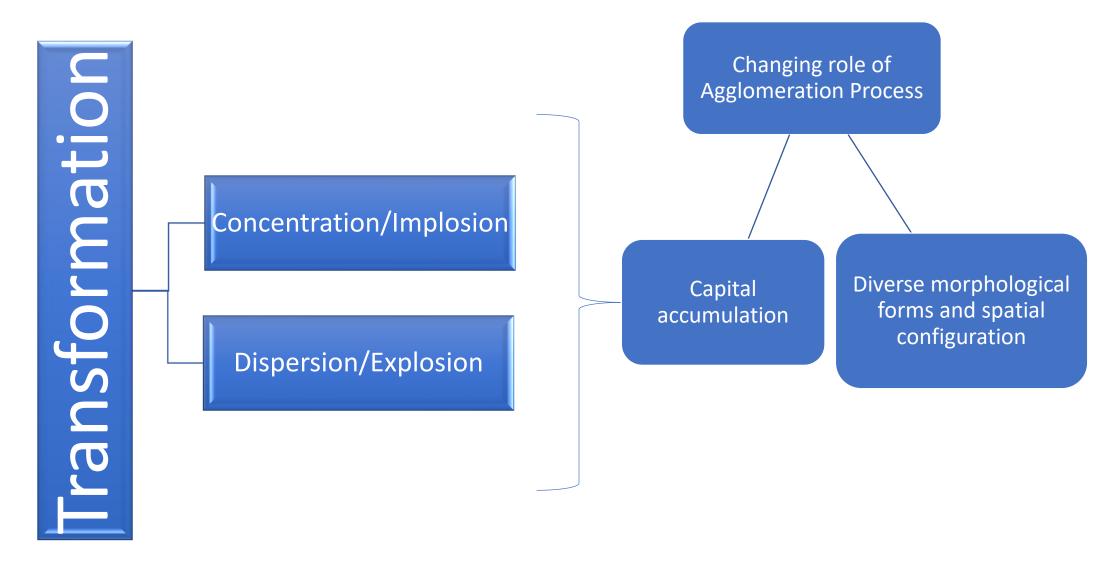


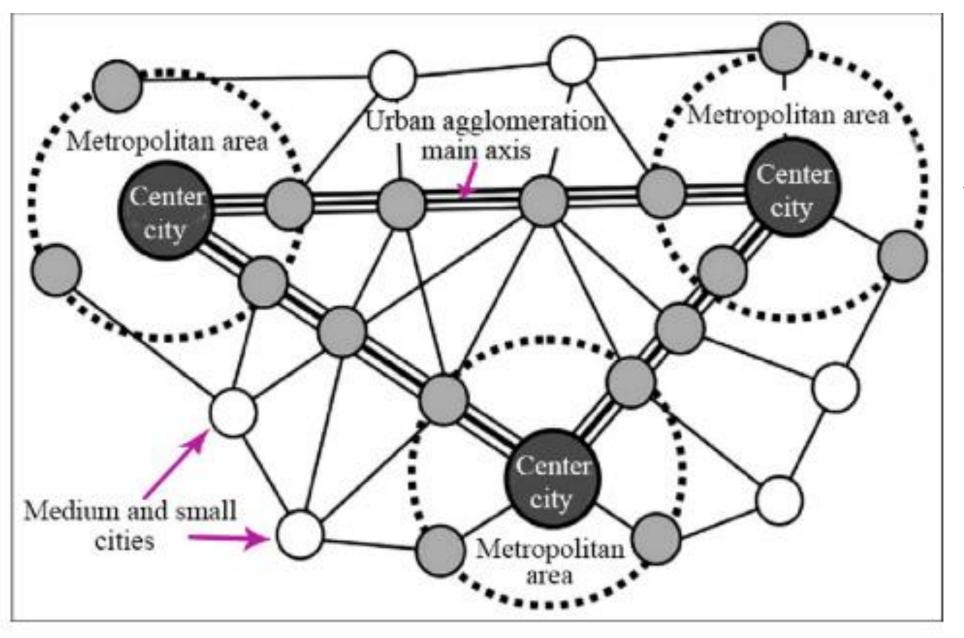
Peri Urbanization and Urban Sprawl

Pertemuan 5 Sustainable Urbanization

Repost: The Meaning of Urbanization

Urbanization (Brenner, 2014)





Urban Agglomeration

(source:

https://doi.org/10.1371/journ al.pone.0259793.g001

Repost: Main points about Indonesian Urbanization?

Understanding the concept

peri-urban areas have resulted from the extension of urban activities beyond existing administrative boundaries in urban regions



characterized by

changing local economic

employment structures

rapid population growth and migration

rising land values and mixed land use

Generic attributes of peri-urban areas (Woltjer. J. 2014)

Table 1. Variations in Peri-Urban Development

Developed countries:	 increasing urban population and rural population decline 				
(north)	 international economic competition 				
	 urban wellbeing and welfare 				
Developing countries:	 regionalization processes in broader urban regions natural population increase and rural urbanization 				
(south)	 decreasing urban population at core 				
	 peri-urbanisation is particularly strong 				
	 mixture of agricultural and non-agricultural activities 				
	 shift to urban life and dispersed urban sub-centers. 				

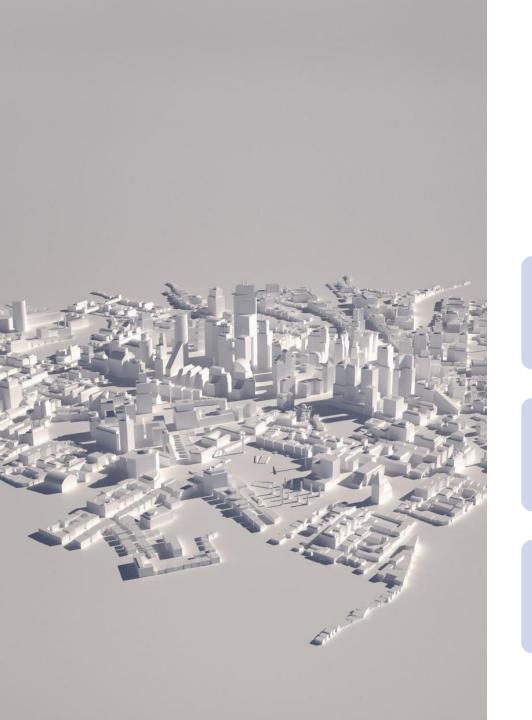
(1) Peri-Urban as a Complex System





Different functions

Different urban environment



(2) Peri urbanization as Spatial manifestation



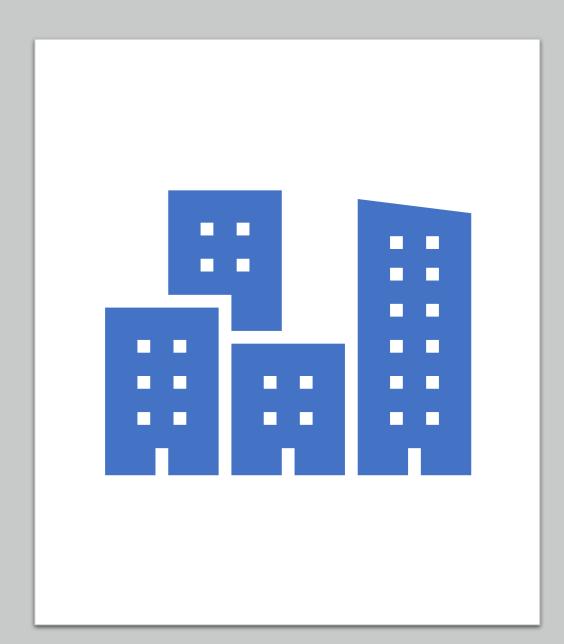
Urban-rural interface



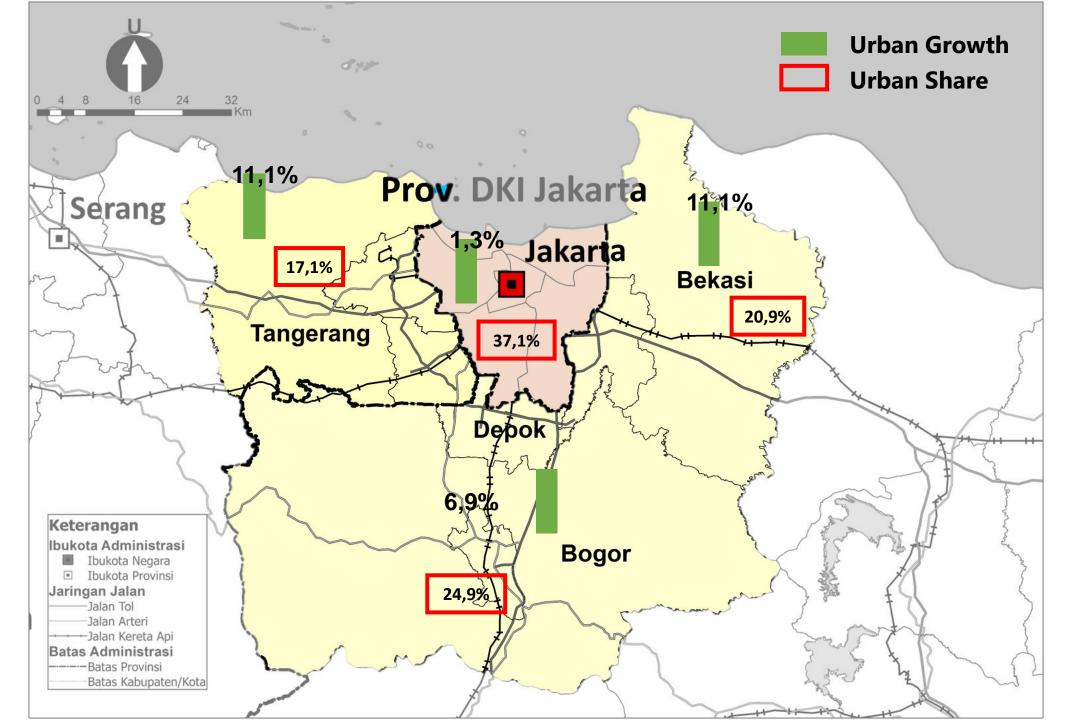
Urban expansion



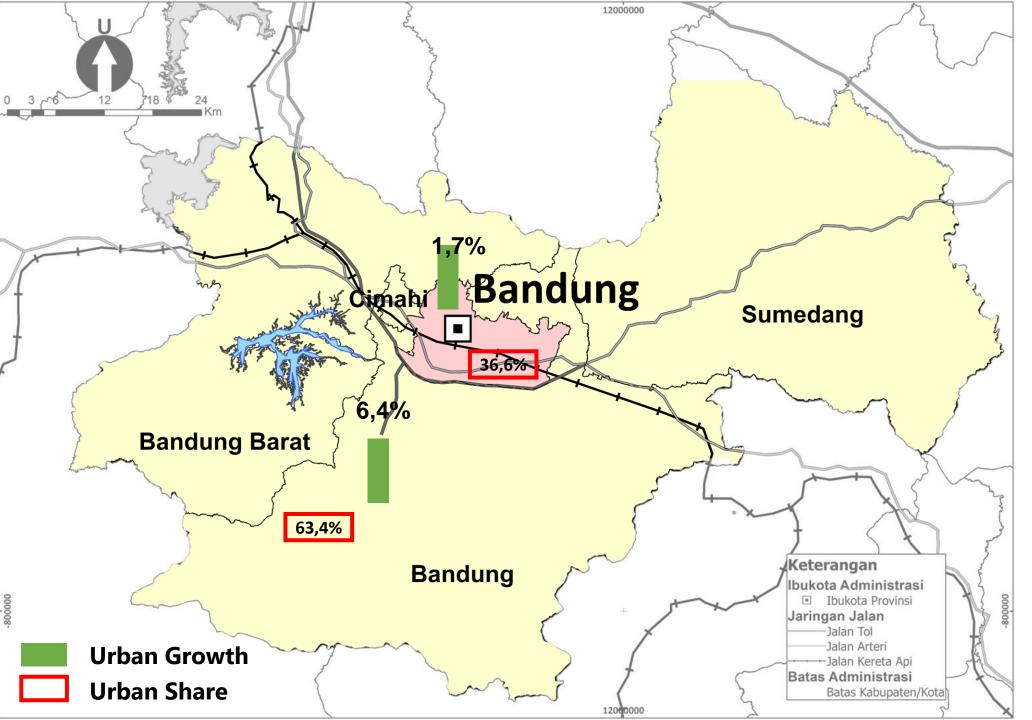
Connectivity



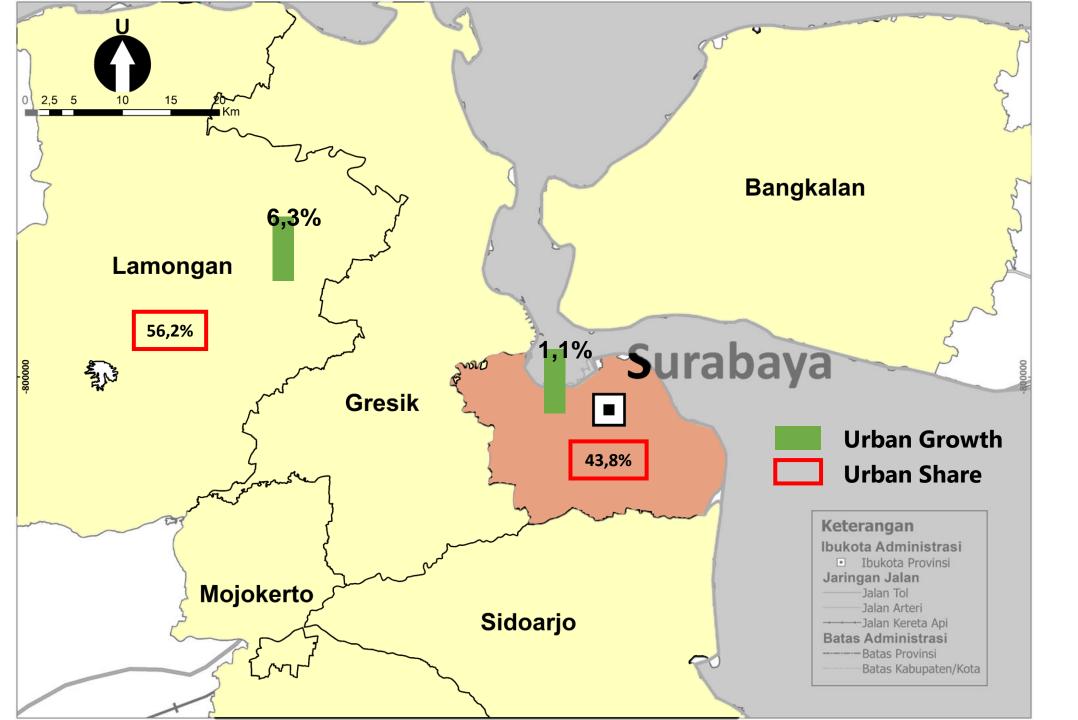
(3) Peri urbanization as "Center of Innovation"













Urban Sprawl

What is urban sprawl?

Modern usage of the term "sprawl" was coined in 1937 by Earle Draper—one of the first city planners in the southeastern United States

The Issue of Sprawl

 These issues were summarized in the 1940s by the Britishadvocate of city planning F. J. Osborn (1946 [1965], p. 15):

These new forms of transportation...were used...to facilitate the sprawl-ing of suburbs, a type of urban growth wasteful from the economic standpoint and disadvantageous socially. Coupled with the rise of real incomes, rapid transport has enabled the people moving out from the centers to find the open residential surroundings they desired. But they and the numerous immigrants from rural areas have obtained these surroundings at the expense of long and costly daily journeys to and from work. Local community life has-been weakened or destroyed, and access to the country made more difficult for the large numbers of residents still left in the city centers

https://www.researchgate.net/publication/4746160 Urban Sprawl#fullTextFileContent [accessed Mar 16 2021].



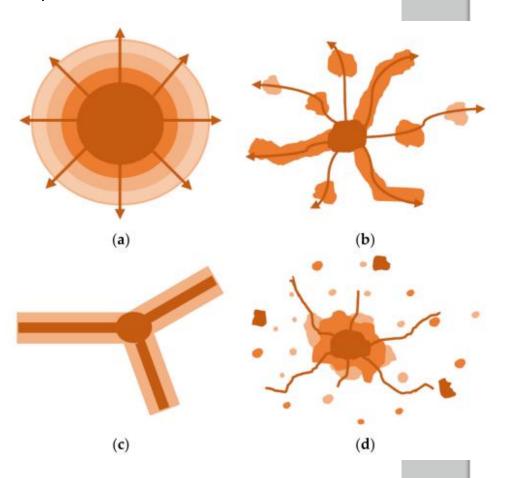
What is urban sprawl?

• **Urban sprawl** is the rapid expansion of the geographic extent of <u>cities</u> and towns, often characterized by low-density residential housing, single-use <u>zoning</u>, and increased reliance on the private <u>automobile</u> for transportation

The tendency toward lower city densities as city footprints expand

Authors	Low Density	Leap frog Development	Commercial Strip or Ribbon Development	Scattered Development	Auto Dependent or Car Dependent	Uncontrolled Growth	Uncoordinated Growth	Unplanned Growth
Hamad [1]						X	Х	X X
Grigorescu et al. [5]	X	X						X
Lv et al. [7]	X			X	X			
Yue et al. [9]	X	X						
Paul et al. [12]	X	X	X	X				
Farooq & Ahmad [13]	X	X	X					
Prakasa, Soemardiono, & Defiana [18]	X	X	X	X				
Galster et al. [19]	X	X						
Sudhira & Ramachandra [20]						X	X	X
Ottensmann [21]	X	X	X	X				
Shirkhanloo [22]	X			X	X			
Nikolov [23]	X					X		X
Sinha [24]	X					X	X	X
Bhatta et al. [25]				X				
Osman, Nawawi, & Abdullah [26]	X	X	X					
Johnson [27]	X	X						
Pichler-Milanović [28]	X							

The forms of development most often characterized as sprawl are:



scattered development

Leap frog development

large expanses of low-density or single-use development (as in sprawling bedroom communities)

commercial strip development

The issue of sprawl

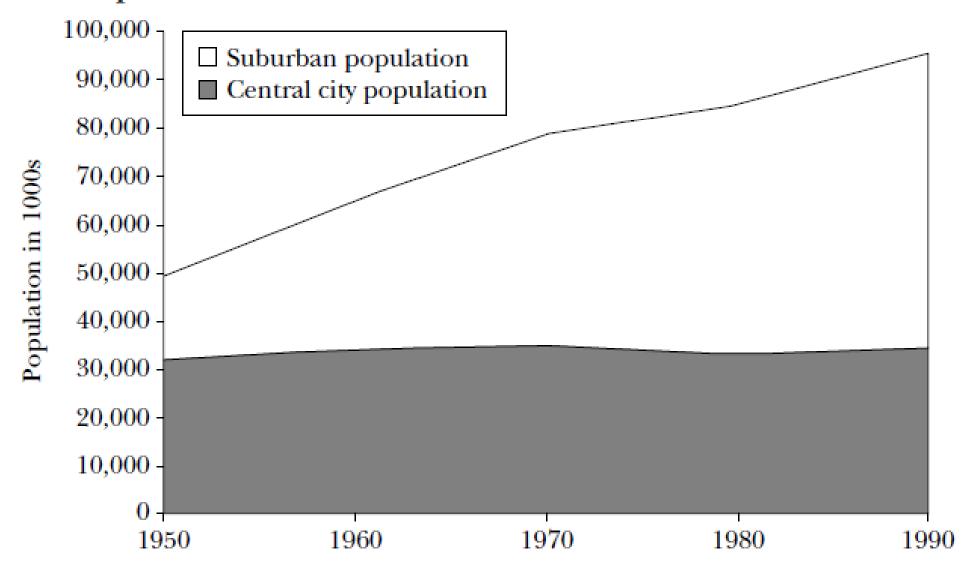
- Unproductive congestion on roads
- High levels of metropolitan car pollution
- The loss of open space amenities, and unequal provision of public goods
- Services across sprawling metropolitan suburbs that give rise to residential segregation and pockets of poverty

How to identify urban sprawl

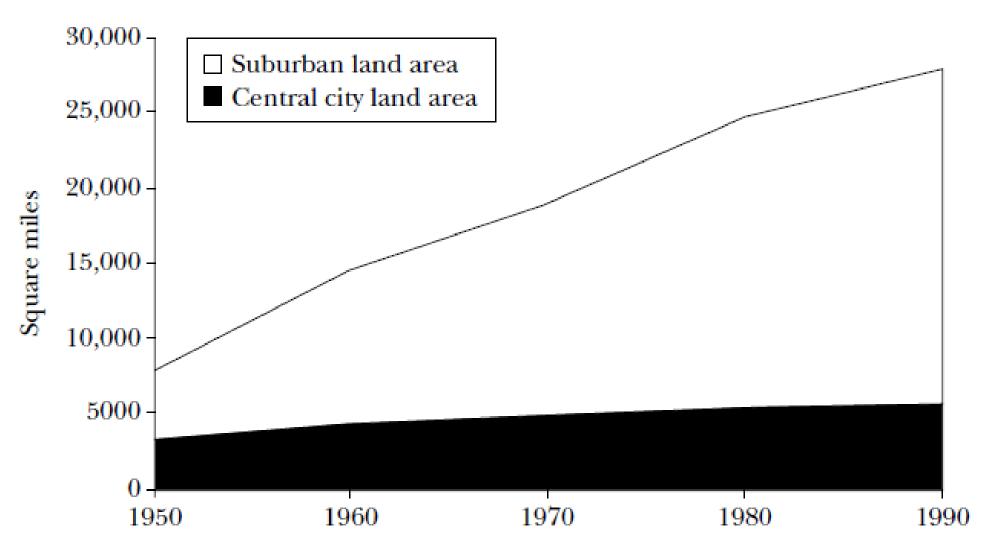
to look first at the evolution of rural and urban population levels

look within urban areas at the evolving relationship between suburbs and central cities

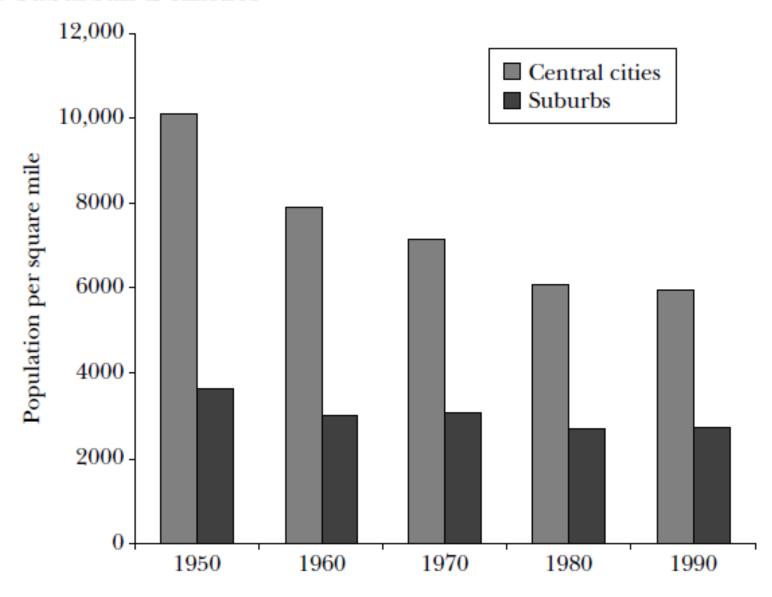
Urban Area Population

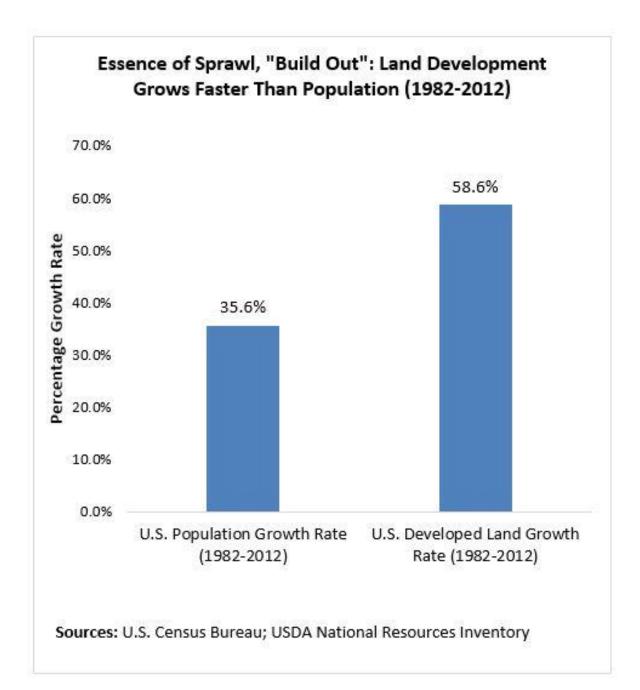


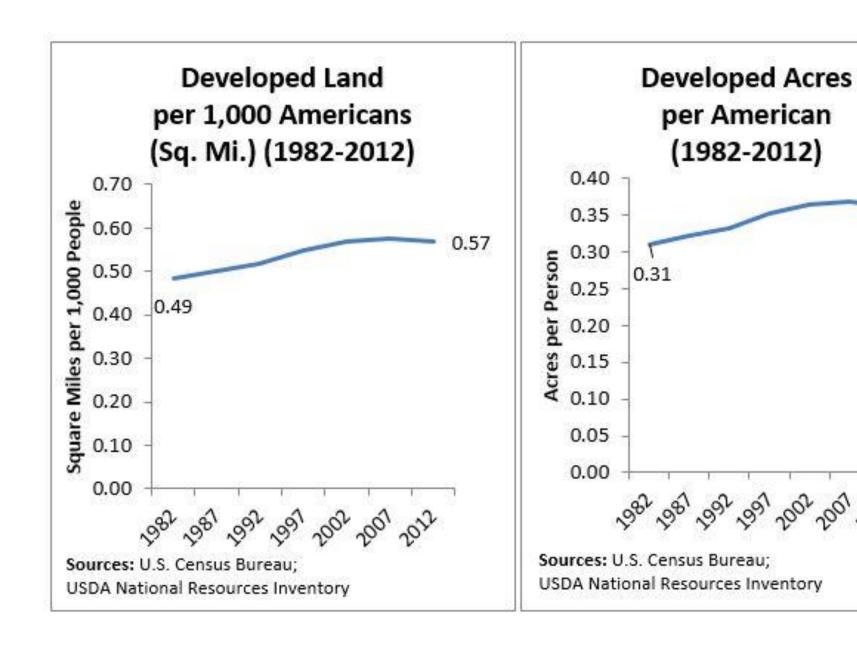
Urban Land Area



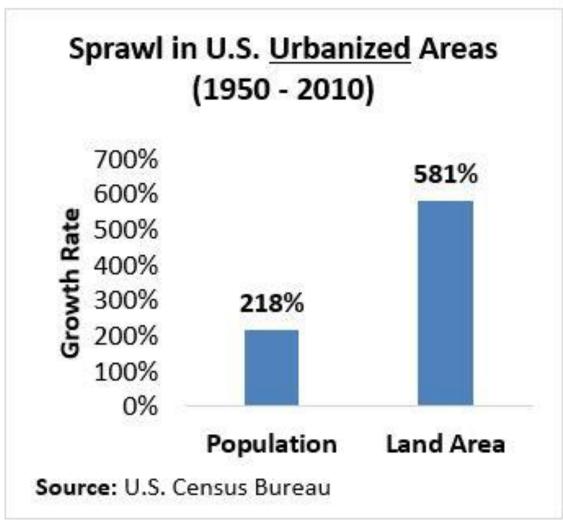
Urban and Suburban Densities

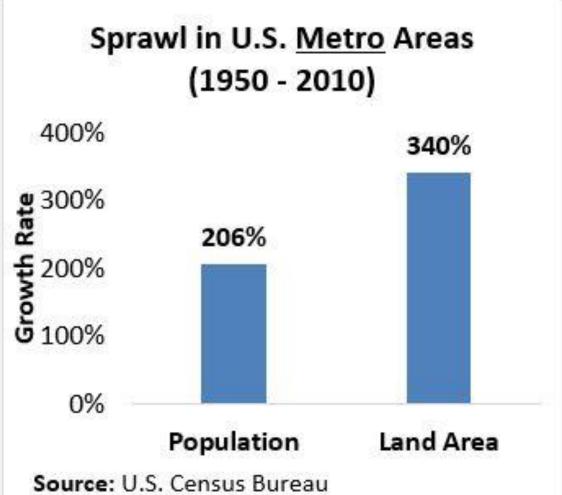






0.36





In addition to that, other indicators of sprawl

Lack of functional open space

Lack of accessibility

Distance from core city

Reference

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Quiz-2

- Explain about Zipf's Law argument and why is it important to sustainable urbanization
- Mention several differences regarding urbanization in the Global South versus Global North
- Why do you think the Global North's urbanization more successfully lead towards economic growth. Explain