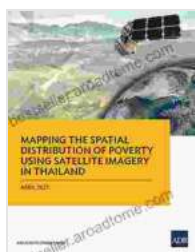


# Mapping Poverty: Using Satellite Imagery to Uncover Socioeconomic Inequalities in Thailand

Poverty, a complex and multifaceted issue, affects millions of people worldwide. Understanding its spatial distribution is crucial for developing effective policies and interventions aimed at poverty reduction. In recent years, satellite imagery has emerged as a powerful tool for poverty mapping, providing valuable insights into the geographic patterns of poverty.



## Mapping the Spatial Distribution of Poverty Using Satellite Imagery in Thailand by Asian Development Bank

★★★★☆ 4.5 out of 5

Language	: English
File size	: 15317 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Word Wise	: Enabled
Print length	: 133 pages



## Satellite Imagery and Poverty Mapping

Satellite imagery offers a unique perspective on Earth's surface, allowing researchers to extract valuable information about human settlements, infrastructure, and land use patterns. By analyzing these factors,

researchers can create detailed maps that visually depict the distribution of poverty.

Traditional poverty mapping methods often rely on household surveys, which can be time-consuming and expensive. Satellite imagery, on the other hand, provides a cost-effective and efficient way to collect data over large areas, even in remote or inaccessible regions.

### **Case Study: Mapping Poverty in Thailand**

The book "Mapping the Spatial Distribution of Poverty Using Satellite Imagery in Thailand" presents a comprehensive study that utilizes satellite imagery to map poverty in Thailand. The study combines remote sensing techniques with socio-economic data to identify areas with high concentrations of poor and vulnerable populations.

Using high-resolution satellite imagery, the researchers identified patterns of housing conditions, infrastructure development, and land use that are associated with poverty. They also incorporated data on education, income, and health to create a comprehensive poverty index.

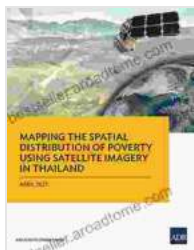
### **Findings and Implications**

The study's findings provide valuable insights into the spatial distribution of poverty in Thailand. The research identified disparities in poverty levels across different regions, with higher concentrations in rural areas and urban slums. The analysis also revealed that poverty is closely associated with inadequate housing, poor sanitation, and limited access to essential services.

These findings have significant implications for poverty reduction policies. They emphasize the need for targeted interventions in specific geographic areas and highlight the importance of improving housing conditions, infrastructure, and access to education and healthcare.

The book "Mapping the Spatial Distribution of Poverty Using Satellite Imagery in Thailand" demonstrates the power of satellite imagery as a valuable tool for poverty mapping. By leveraging remote sensing techniques and incorporating socio-economic data, researchers can gain a deeper understanding of the spatial patterns of poverty and identify areas that require immediate attention.

The findings of this study contribute to the global efforts to eradicate poverty by providing evidence-based information for policymakers and development practitioners. Satellite imagery will continue to play a crucial role in advancing poverty mapping and informing evidence-based policies aimed at creating a fairer and more equitable society.



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