

Clustering Neighbourhoods in Berlin City (Germany) To Find Out Which Neighbourhoods Require More Public Parks, Based On Public Parks Available To Residents

1. INTRODUCTION

1.1. BACKGROUND

City parks play a vital role in the social, economic, and physical well-being of cities and their residents. City parks provide access to recreational opportunities, increase property values, spur local economies, combat crime, and protect cities from environmental impact. City parks encourage active lifestyles and reduce health costs also parks help clean the air and improve public health.

1.2. PROBLEM

Parks can only reach their peak potential if every household can access such green space and that access shouldn't be tied to a private vehicle or an unreasonable walking distance. At the city level, researchers have long confirmed that park access is unequal. City residents may also remain disconnected from parks depending on their income, education, and race. Unequal park access is creating another form of environmental injustice.

There is an urgency to understand park access at the metropolitan scale. In response, metropolitan areas need regional plans to bring parks closer to all residents. Increased walkability and urban connectivity are required. Local planners and real estate developers lack data-driven insights which will help them to create a plan which will reduce spatial and economic barriers tied to park access.