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Assessing Senior Citizen Livability in Dyes Inlet Neighborhoods: Elder Livability Index and Walkable Bus Stops

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Introduction

The aim of this project is to suggest to local officials where social services for elders would best be applied and also to act as an assistive tool for seniors seeking residence in neighborhoods where high levels of livability are experienced.

Assessing Senior Citizen Livability in Dyes Inlet Neighborhoods: Risk Assessment Index & Walkable Bus Stops

Results

The results of my analysis answer what I had hoped to find when designing my project: I was able to locate specific areas in the Dyes Inlet area in need of greater social services and areas suitable for seniors to locate to with expected success. The maps below illustrate the ranking of Dyes Inlet neighborhoods in terms of the Risk Assessment Index and walkable bus stops. As seen from the illustrations below, often neighborhoods ranking high in walkable bus stops are positioned at the bottom levels of the Risk Assessment Index. This could very well be an example of current service locations being placed within the areas that need them most.

Objectives

This analysis seeks to locate areas needing greater attention from local officials when allocating social services and areas suitable for seniors to locate to with expected success. The maps below illustrate the ranking of Dyes Inlet neighborhoods in terms of the Risk Assessment Index and walkable bus stops. As seen from the illustrations below, often neighborhoods ranking high in walkable bus stops are positioned at the bottom levels of the Risk Assessment Index. This could very well be an example of current service locations being placed within the areas that need them most.

Methods

I obtained data tables and shapefiles from Kitsap County and the U.S. Census. After preparing the data in Microsoft Excel I joined tables to shapefiles in ArcMap. I then clipped all of the data using Analysis Tools/Clip to fit my research area.

Sources


