

# Compare Serious Crime Count with Race and Gender Type in Pittsburgh

## Abstract

UBPL 746 GIS class including assignments and lab works has been given us a high-quality tool (ArcGIS) to analyze urban built environments with linking to social, economic, and environmental dimensions. UBPL 746 GIS class has been developed different analyses in different areas that were linking to census tract as one variable to varieties of other variables. In assignment 07, we have examined the serious crimes versus population below poverty Level in Pittsburgh city.

However, some studies have suggested but not certain that some races or type of gender may be associated with the crime rate. Based on this thought and yet, in Pittsburgh city, the relation between Serious Crimes versus race and gender has not been examined.

This project will examine the relation between Serious Crimes versus race and gender. Using geographical information systems(ArcGIS) the serious crimes variable and the population race and gender has been mapped. The scatters plot used to illustrate the correlation between study variables.

The findings of count alias serious crimes have shown as graphs for each census race and type of gender. In addition, the scatters plot showed the correction for census race and type of gender.

## Resarch Question

Do the serious crimes counts during summer 2008 associated with a race and a gender in Pittsburgh city?

## Answers:

Based on race type: Hispanic populations are the highest rate associated with the serious crimes counts in summer 2008.

Based on gender type:

Male type is the higher rate that associated with the serious crimes counts summer 2008.

## Map information

City: Pittsburgh

Coordinate System: NAD 1983 State Plane Pennsylvania South FIPS 3702

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Abdulwahab Alalyanin  
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