# CALCULATING THP ARPA OF GEORGIA COUNTIES 

By: Ian Pearce

## ABSTRACT

- Shapes of counties are irregular
- Calculating area will be dificult



## DATA

- Data contains points of each corner for each county
- Units are in meters



## OBJECTIVES

- Calculate the area of select counties in Georgia
- Find an appropriate algorithm to perform this



## MIPHODS

- Shoelace algorithm
- Calculates the area of irregular shapes



## RESULTS

- Created algorithm to calculate the area of counties
- Formatted in kilometers squared


## CONCLUSIONS

- Through Shoelace algorithm, it is possible to find the area of Georgia counties

Code can only print the area of one county at a time

## RPFERENCES

- By. "The Shoelace Algorithm." 101 Computing, 9 Mar. 2019, www. 101 computing.net/the-shoelace-algorithm/.
- "Shoelace Formula." Wikipedia, Wikimedia Foundation, 25 Nov. 2019, en.wikipedia.org/wiki/Shoelace_formula.

