# Election\_Analysis

## Project Overview

Tom, a Colorado Board of Elections employee has given me the following tasks to complete the election audit of a recent local congressional election.

### Purpose

The purpose of this analysis is to come up with a python script that will automate tasks and make the audit more efficient and potentially be used in the audit of other elections. In this audit, we will be performing the following:

## Election-Audit Results

* Calculate the total number of votes cast. In order to perform this task, we set the total vote count to 0 and loop through the rows to add the vote counts. The following images give the code utilized and the result.

A screenshot of a computer

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated with medium confidence

* Provide a breakdown of the number of votes and the percentage of total votes for each county in the precinct. In the images below, we have the code utilized and the result obtained.

A screenshot of a computer

Description automatically generated with medium confidence

Text, letter

Description automatically generated

* + We found out that “Denver” county had the largest number of votes cast.



* + Provide a breakdown of the number of votes and the percentage of the total votes each candidate received.

A picture containing text

Description automatically generated

* + Whinning candidate, their vote count, and their percentage of the total votes.

Text

Description automatically generated with medium confidence

### Resources

- Data Source: election\_resultes.csv

- Software: Python 3.7, Visual Studio Code, 3.10.2

## Summary

The script used to perform the audit on this congressional election turned out to be a efficient and fast way than most methods and could be used to automated future elections. In order to use them for different elections there will be a need to do some modifications and adjustments.

* One modification will need to be the path to the file and the dependencies used.
* The second modification will need to happen on the variables that will be used.