# Election-Analysis

## Project Overview

A Colorado Board of Elections employee has given you the following tasks to complete the election audit of a recent local congressional election.

1. Calculate the total number of votes cast.

2. Get a complete list of candidates who received votes.

3. Calculate the total number of votes each candidate received.

4. Calculate the percentage of votes each candidate won.

5. Determine the winner of the election based on the popular vote.

## Election-Audit Results

The analysis of the election show that:

- There were 369,711 votes cast in this election.

- The counties were:

- Jefferson

- Denver

- Arapahoe

- The county results were:

- Jefferson: received 10.5% of the vote (38,855 votes)

- Denver: received 82.8% of the vote (306,055 votes)

- Arapahoe: received 6.7% of the vote (24,801 votes)

- The county with the largest number of votes was Denver.

- The candidates were:

- Charles Casper Stockham

- Diana DeGette

- Raymon Anthony Doane

- The candidate results were:

- Charles Casper Stockham received 23.0% of the vote and 85,213 votes.

- Diana DeGette: received 73.8% of the vote and 272,892 votes.

- Raymon Anthony Doane: received 3.1% of the vote and 11,606 votes.

- The winner of the election was:

- Diana DeGette who received 73.8% of the vote and 272,892 votes.

![ ELECTION\_ANALYSIS\_PIC]( ELECTION\_ANALYSIS\_PIC.PNG)

## Election-Audit Summary

This script can be used and modified for any type of election. For example, if you wanted to analyze the results of a federal election rather than a local election, you can change the counties to states.

## Resources

- Data Source: election\_results.csv

- Software: Python 3.6.1, Visual Studio Code, 1.53.0