



Module 3 Challenge

Colorado Election Audit

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OVERVIEW

Overview of Election Audit:

The Colorado Board of Elections commission has requested additional information to complete their audit. Along with knowing the winning county they are interested in knowing the voter turnout for each county, the final vote percentage from each county and what county had the highest turnout for voters.



ELECTION-AUDIT RESULTS:

- A total of 369,711 votes were casted in the congressional election.

- Out of the 369,711 votes, Denver had the greatest amount of votes with 306,055 (82.8%), next was Jefferson with a total of 38,855 or 10.5% of votes and finally Arapahoe with only a 6.7% of votes casted with a total of 24,803.

- Diana DeGette collected 73.8% of votes totaling in 272,892. Charles Casper Stockham received 23% or 85,213 votes and Raymon Anthony Doane only received 3.1% of votes totalling in 11,606.

- Diana DeGrette won the election with 272,892 votes which is 72.8% of total votes.

Election Results

Total Votes: 369,711

County Results:

Jefferson: 10.5% (38,855)

Denver: 82.8% (306,055)

Arapahoe: 6.7% (24,801)

Charles Casper Stockham: 23.0% (85,213)

Diana DeGette: 73.8% (272,892)

Raymon Anthony Doane: 3.1% (11,606)

Winner: Diana DeGette

Winning Vote Count: 272,892

Winning Percentage: 73.8%



ELECTION-AUDIT SUMMARY:

The script can be modified to be used in future elections by loading the new election results csv into Visual Studio and making sure the county_name and candidate_name fall into the same rows still.

```
# Add a variable to load a file from a path.  
file_to_load = os.path.join("Resources", "election_results.csv")  
# Add a variable to save the file to a path.  
file_to_save = os.path.join("analysis", "election_analysis.txt")
```

```
# Get the candidate name from each row.  
candidate_name = row [2]  
  
# 3: Extract the county name from each row.  
county_name = row [1]
```