**Colorado Redistricting Project**

Variables:

counties = 64

districts = 8

Coefficients:

* Demographics: [c county (1,64), race (1,8) Hispanic , White , Black , America Indian , Asian , Hawaii/Pacific Islander , Other Race , Two or More Races
* Population: [For each county ]
* Voter Affiliation: [c county (1,64), party (1,4) Republican , Democrat , Minor Party , Unaffiliated ]
* Compactness: [For each county ]

Objective Function:

* Minimize

Constraints:

* Compactness:
* Assignment:
* Population:
* Voter Affiliation:
  + Republican
  + Democrat
  + Minor Party
  + Unaffiliated
* Demographics: To match total demographic spread of Colorado
  + Hispanic
  + White
  + Black
  + American Indian
  + Asian
  + Hawaii/Pacific Islander
  + Other Race
  + Two or More Races