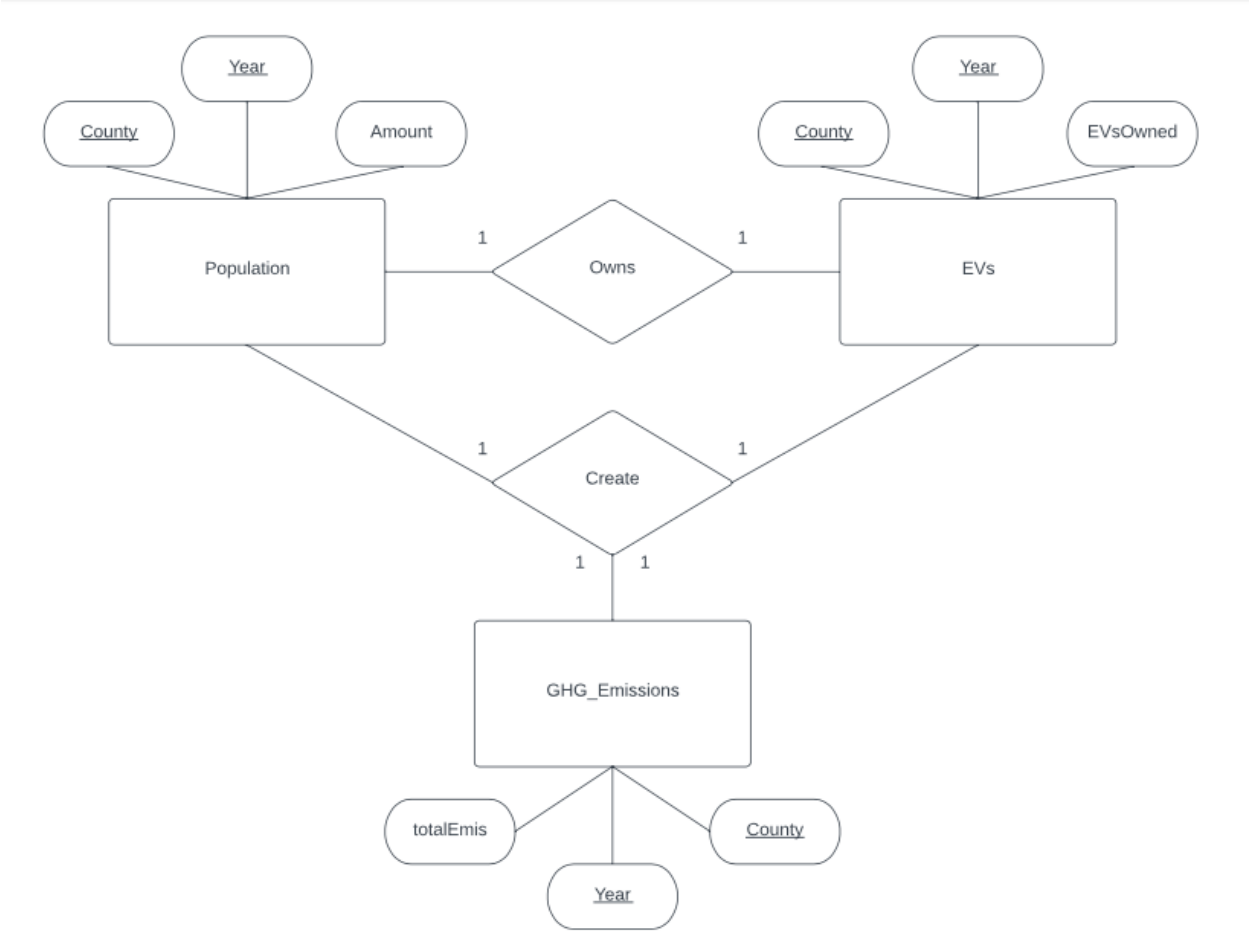
CSC 315
Prof. DeGood
Phase III Elaboration: Database Model

ER Diagram:



Relational Schema:

Population(County, Year, Amount)
EVs(County, Year, EVs Owned)
GHG_Emissions(County, Year, Total Emis)

GHG Emissions data: 15 = character strings, 4 = bytes, 1129 = tuples, 14 = ints
Population data: 15 = character strings, 4 = bytes, 253 = tuples, 8 = ints
EV data: 15 = character strings, 4 = bytes, 1129 = tuples, 6 = ints

Calcultation:
(15) × 4 × (14) × (1129) = 948,360 - GHG Emissions

(15) × 4 × (14) × (1129) = 121,440 - Population

(15) × 4 × (14) × (1129) = 406,440 - EV

Total: 948,360 + 121,440 + 406,440 = 1,476,240