

## **Second Homework**

Use this information and the Homework 2 data file to four (4) questions listed below. Use this sheet to construct you query but submit your answers via the Moodle → Second Homework Answer Sheet/Quiz listed in the Week 10: Raster section.

Data is from the U.S. 1994 Census, on the 20 most and least populous Minnesota counties. Answer the following sub setting (Boolean) queries for the table. You may use ArcGIS or QGIS to answer these questions; the data is in a dbase file and a text file in the class [website](#). The file names are: homework2.dbf and homework2.txt.

Note the following labels:

AREANAME = county name	HOUSING_UN = number of housing units
HOUSINGMED = median housing value	POPULATION = county population
PER_CAPITA = per capita income	PERSONS/HO = people per household

Answer the questions via Moodle using the Second Homework Answer Sheet/Quiz

**Which are poor (per capita income < 10,000) and sparsely populated (population < 5,000)?**

**Which have high median housing value (> 90,000) or high population (> 200,000)?**

**Which have [moderately low population (< 10,000) and few people per household (<2)]**

**Or [high number of persons per household (>2.8) and moderate per capita income (<15,000 and >12,000)]**

**Which are not [(population is >60,000) and (median housing value is > 70,000)] and have a per capita income > 11,750.**

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Table for homework2.dbf or homework2.txt

AREANAME	Housing units	Housing Median Value	Population	Per Capita Income	Persons/housing Unit
Hennepin County	443583	91000	1032431	18496	2.33
Ramsey County	201016	83600	485765	15645	2.42
Dakota County	102707	95900	275227	17237	2.68
Anoka County	85519	83500	243641	14554	2.85
St. Louis County	95403	42200	198213	11833	2.08
Washington County	51648	94200	145896	17435	2.82
Stearns County	43806	61400	118791	11620	2.71
Olmsted County	41603	72300	106470	16214	2.56
Wright County	26353	75000	68710	12687	2.61
Scott County	20302	90900	57846	15341	2.85
Blue Earth County	20358	59500	54044	11125	2.65
Otter Tail County	29295	46600	50714	10467	1.73
Clay County	18546	58600	50422	10836	2.72
Rice County	17520	67800	49183	11936	2.81
Carver County	17449	95700	47915	16116	2.75
Winona County	17630	54400	47828	11323	2.71
Crow Wing County	29916	54200	44249	10911	1.48
Sherburne County	14964	74800	41945	13147	2.80
Itasca County	22494	44300	40863	10541	1.82
Pope County	5836	39200	10745	9465	1.84
Swift County	4795	27500	10724	9222	2.24
Stevens County	4108	37700	10634	9814	2.59
Pipestone County	4387	31700	10491	10050	2.39
Lake County	6776	39400	10415	11415	1.54
Rock County	3963	36600	9806	11383	2.47
Murray County	4611	30400	9660	10871	2.09
Lac qui Parle County	3955	26000	8924	10368	2.26
Clearwater County	4008	29400	8309	8359	2.07
Norman County	3648	30200	7975	9948	2.19
Wilkin County	3140	38400	7516	10108	2.39
Lincoln County	3050	22900	6890	9616	2.26
Big Stone County	3192	27000	6285	9575	1.97
Grant County	3178	29100	6246	9622	1.97
Kittson County	2865	28000	5767	11050	2.01
Mahnomen County	2505	33900	5044	7737	2.01
Red Lake County	1899	28200	4525	8963	2.38
Traverse County	2220	23400	4463	9882	2.01
Lake of the Woods County	3050	40900	4076	10623	1.34
Cook County	4312	55600	3868	12067	0.90