Motor Vehicle Registrations and Licensed Drivers in U.S.

Presented by Yoshiko Furuse

GGR 320

12/6/07

Introduction

- My topic is about Motor Vehicle Registration and Licensed Drivers.

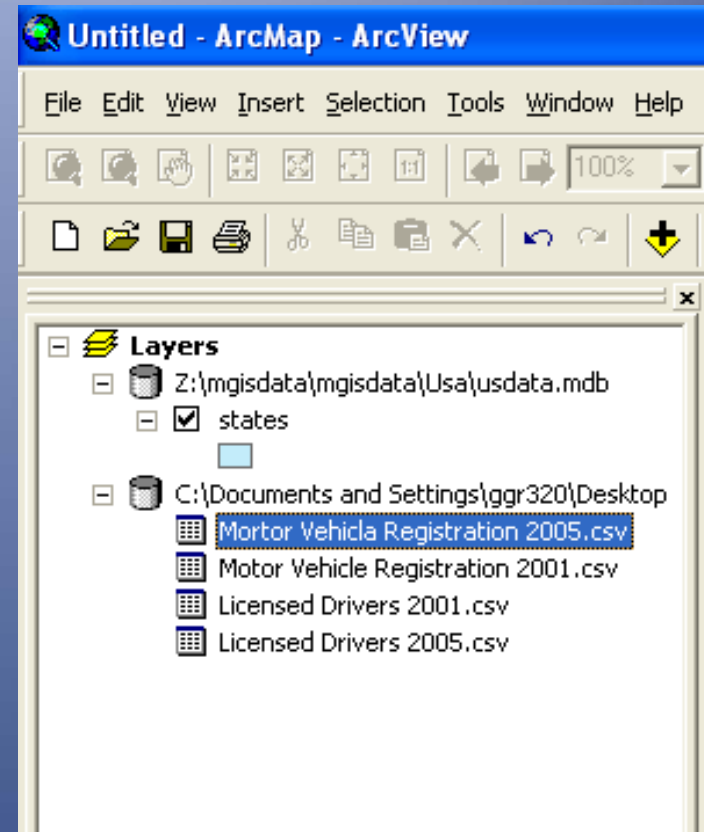- I am interested in this topic because…

Objectives

- Collecting number of Licensed Drivers and Motor Vehicle Registration
- Creating maps of
  - Motor vehicle registration
  - Licensed drivers
  - Licensed drivers per registered vehicle
  - Ratio of licensed drivers
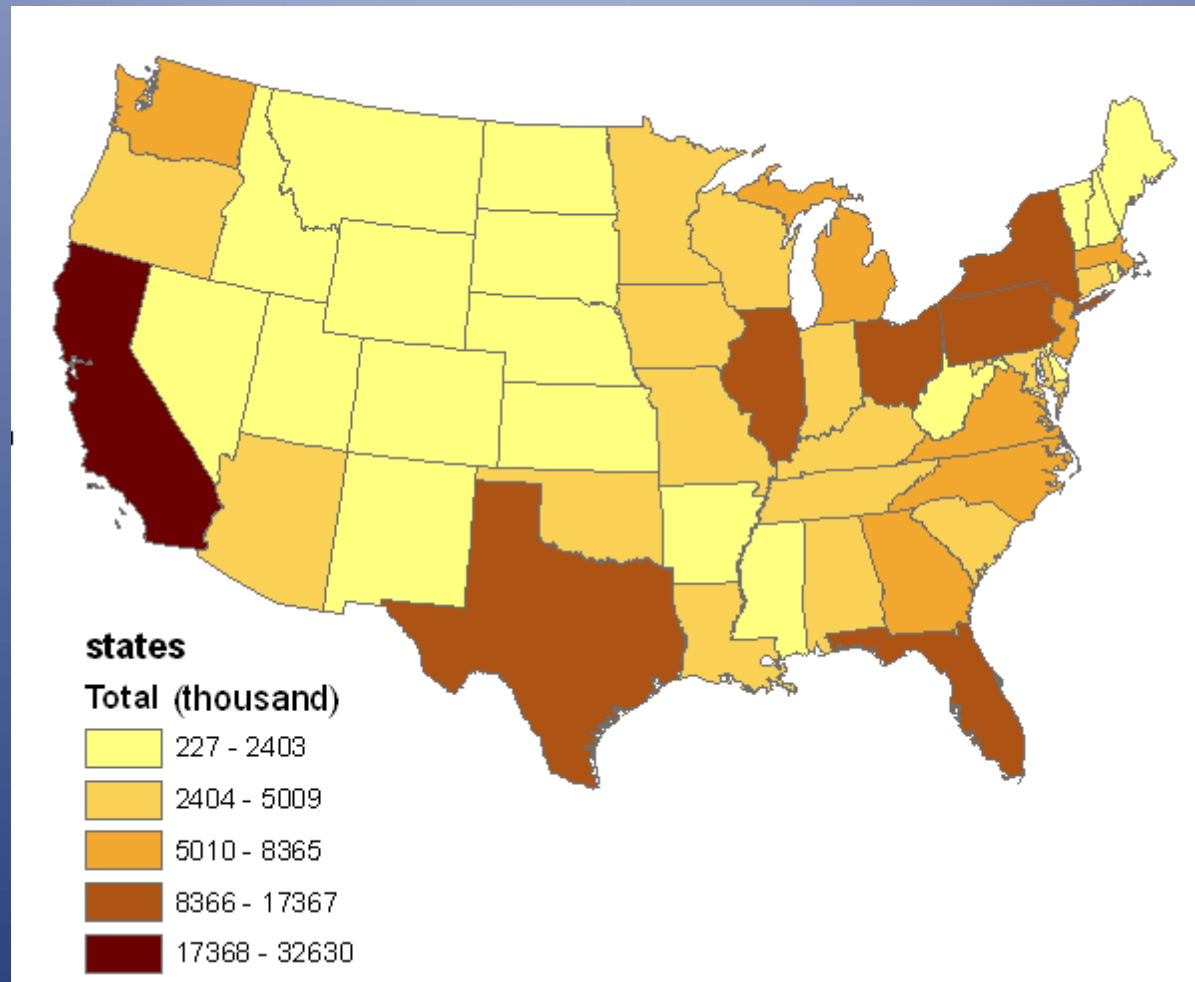- Comparing data between 2001 and 2005

Methods and Data

- Downloaded CSV files of Licensed Drivers and Motor Vehicle Registration in 2001 and 2005.
- Licensed Drivers
  - Include: Licensed drivers, Driving age pop, Licensed Drivers per registered vehicle
  - Add: Ratio of licensed Drivers
- Motor Vehicle Registration
  - Include: Automobile, Motorcycle, Bus, Truck
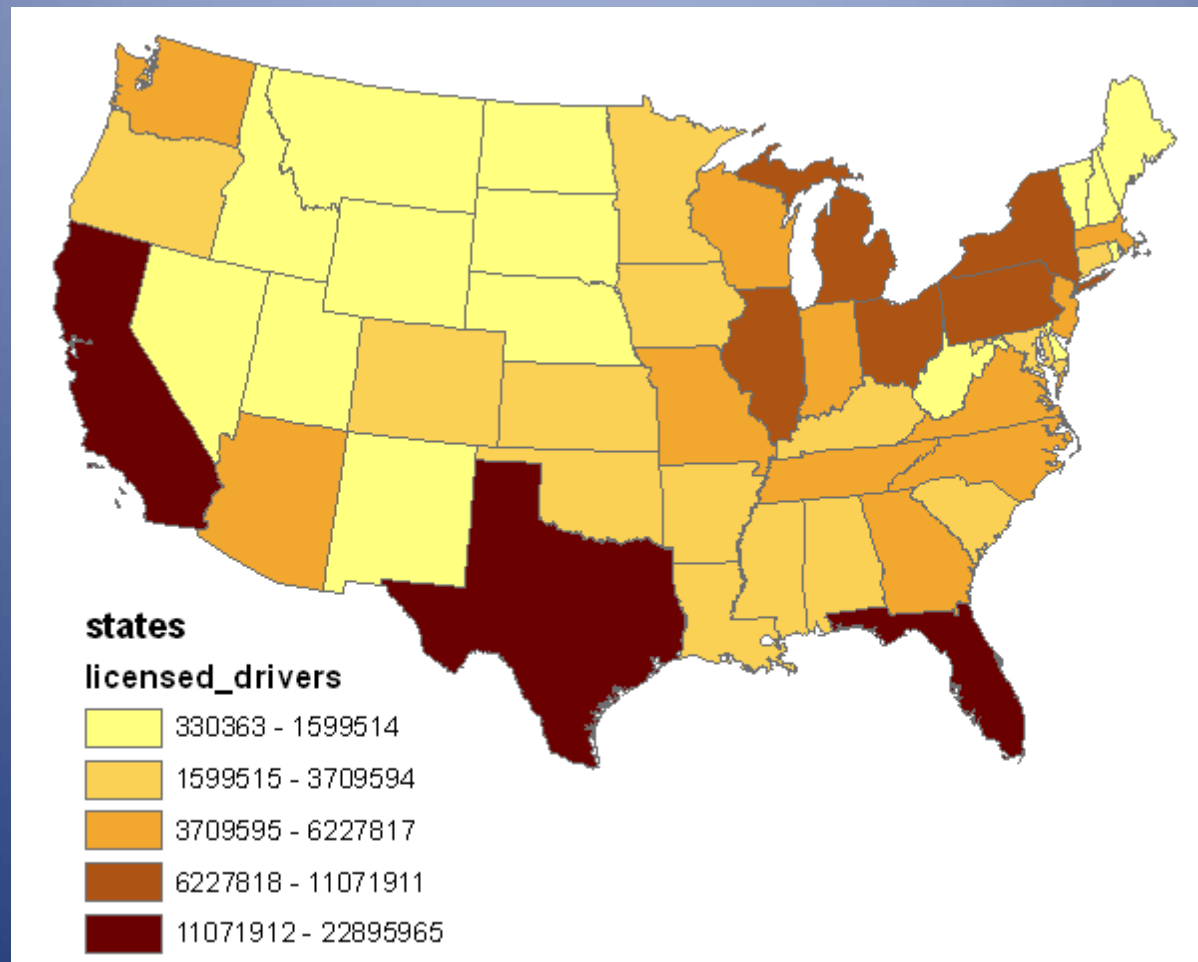 - Add: Total number

Next Step

- Step1. Add four files and state layer

- Step2. Join based on state name
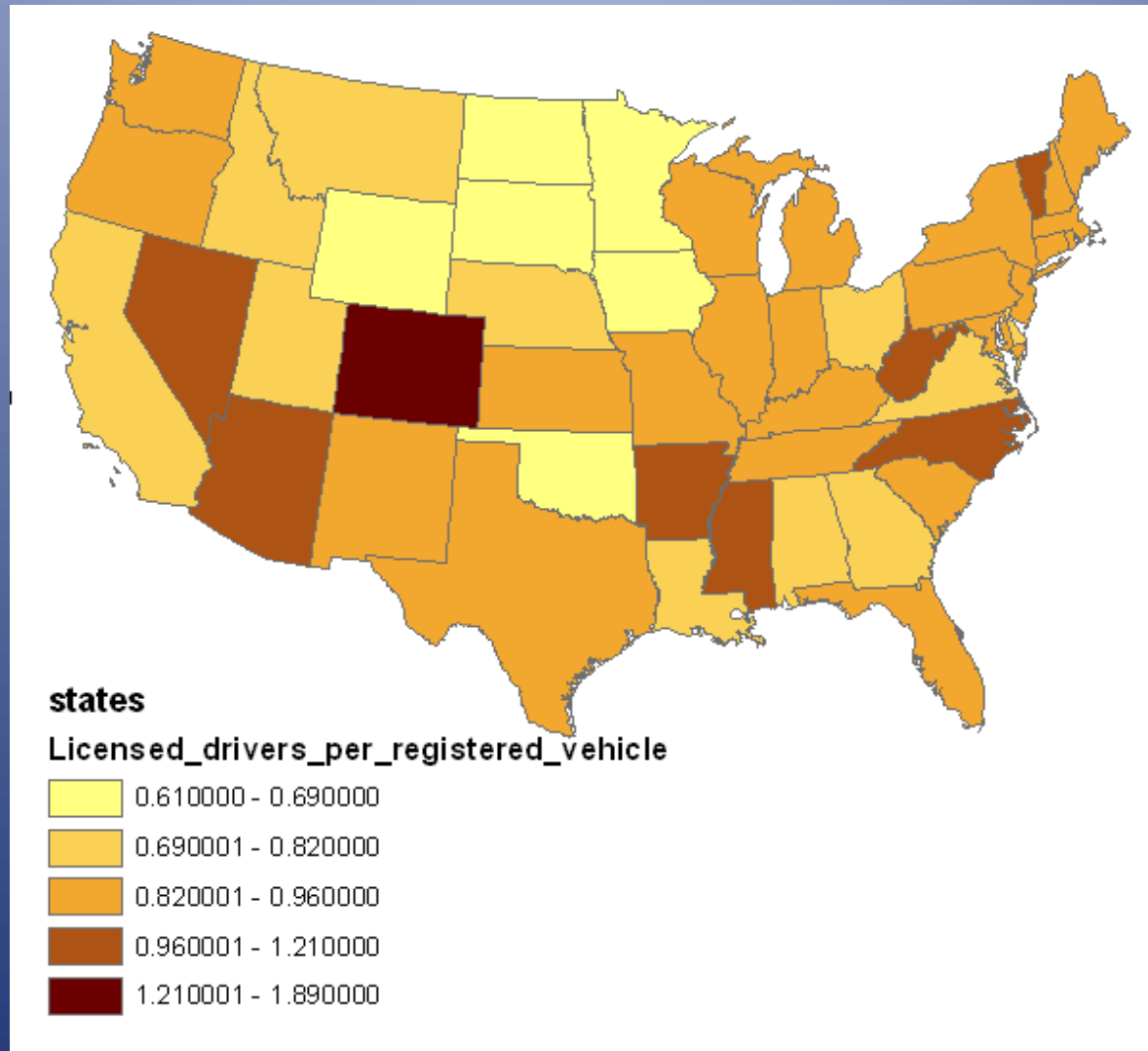
- Step 3. Make graduate color map
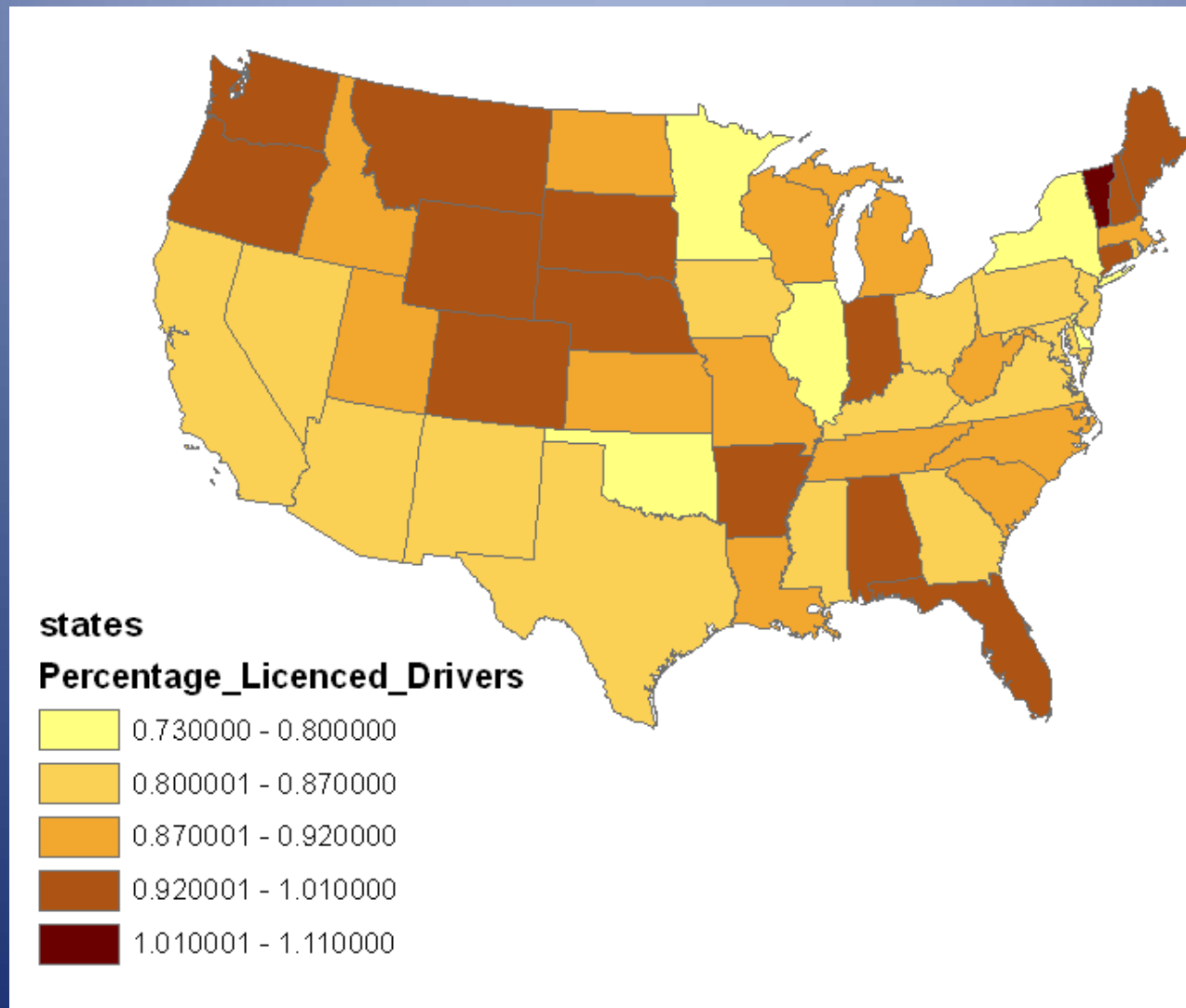
Motor Vehicle Registration in 2005

states

Total (thousand)

	227 - 2403
	2404 - 5009
	5010 - 8365
	8366 - 17367
	17368 - 32630

Licensed Drivers in 2005

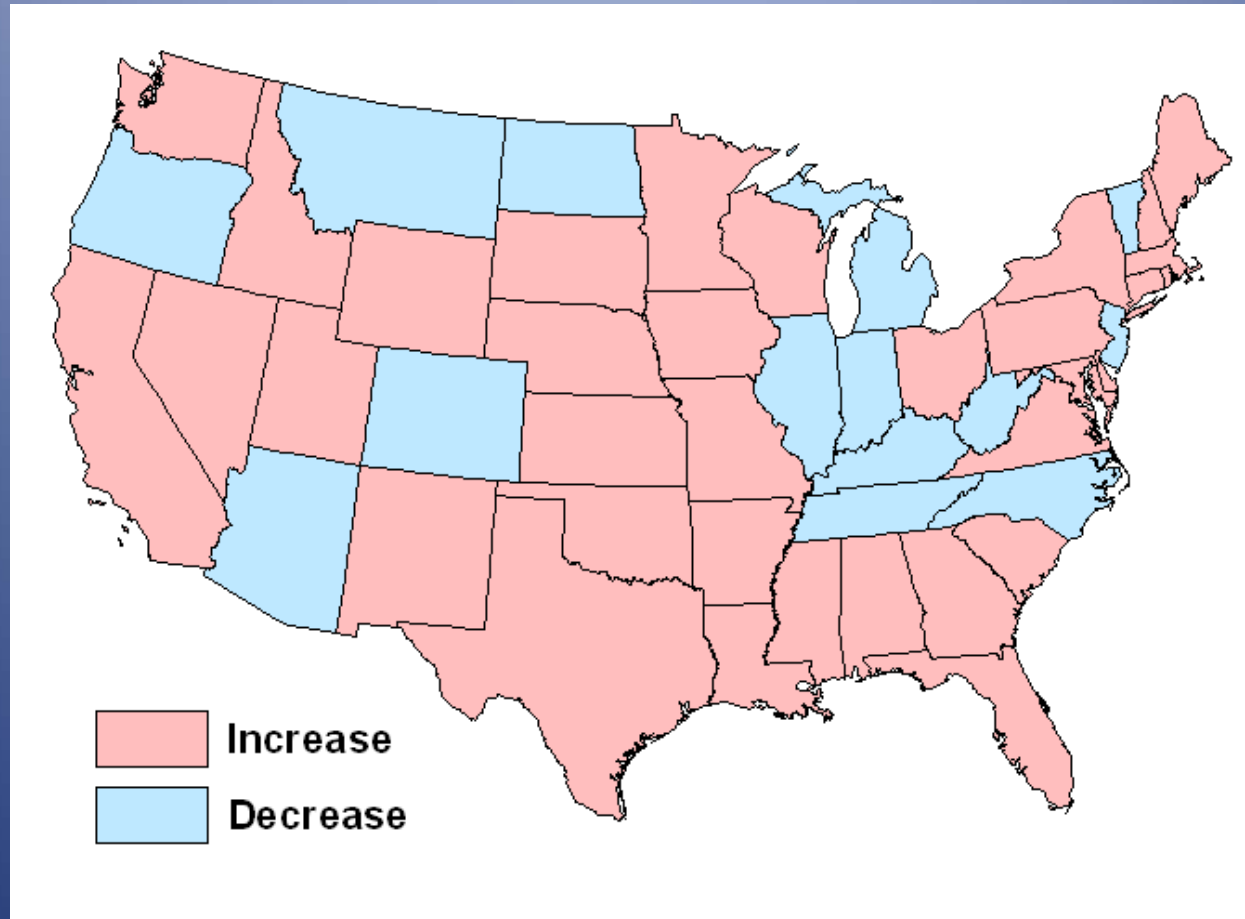# Licensed Drivers per Registered Vehicle in 2005

Ratio of Licensed Drivers
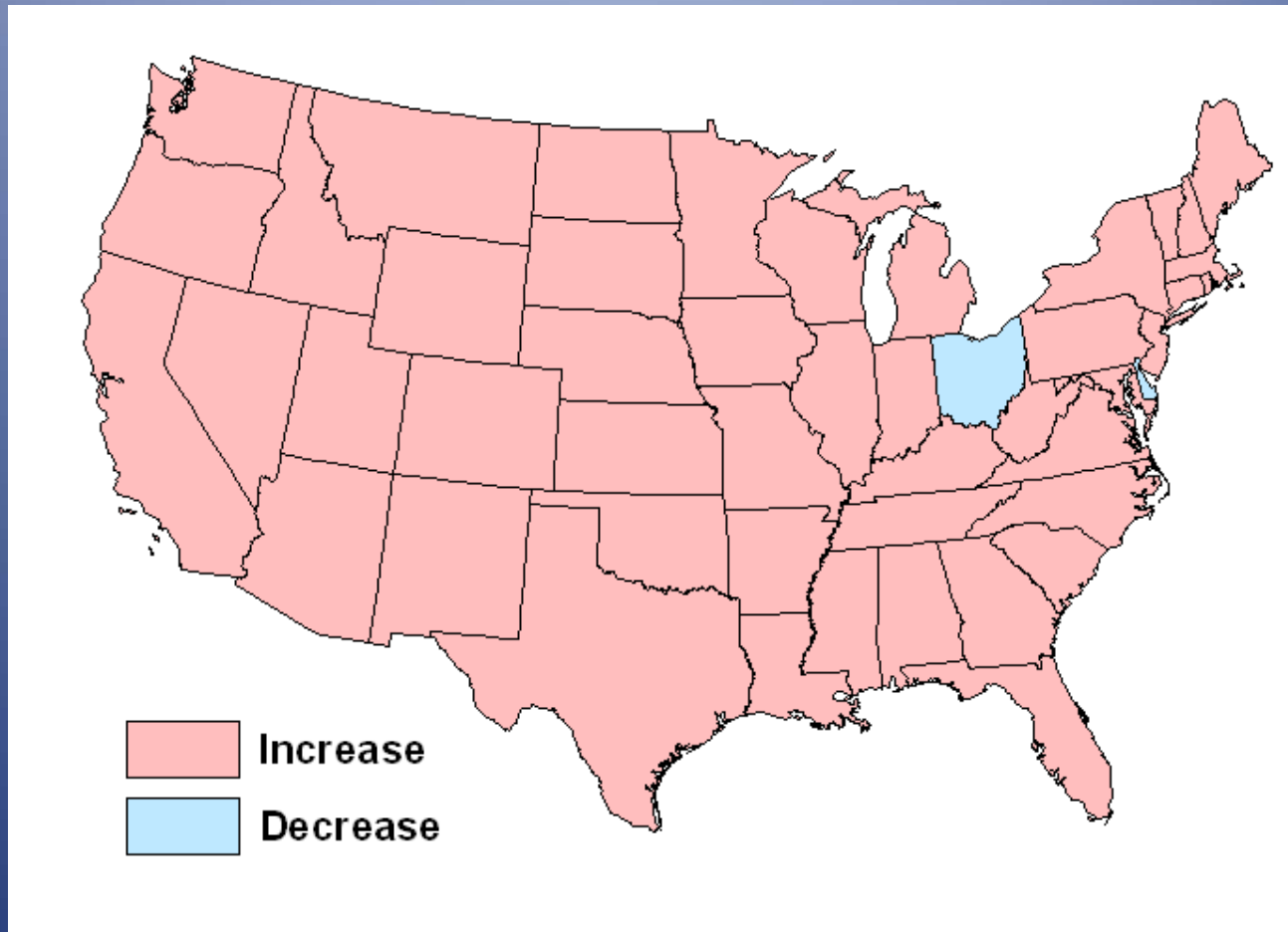
Compare data between 2001 and 2005

- Step1. Join table of Motor Vehicle Registration in 2005 to in 2001

- Step2. Join table of US State to Step1

- Step3. Use query
  - Select by attribute
  - Total registration 2005>Total registration 2001
  - Create a new layer

Difference of Motor Vehicle Registration between 2001 and 2005

- Step1. Join tables of Licensed Drivers 2005 to 2001
- Step2. Join tables of US State to Step1
- Step3. Use query
  - Select by attribute table
  - Licensed Drivers 2005> Licensed Drivers 2001
  - Create a new layer

Difference of Licensed Drivers between 2001 and 2005

Conclusion

- Number of Motor Vehicle Registration and Licensed Drivers link to Population.
- Interesting discovery.
- Problem: could not get data for original topic

Source

- Department of Transportation

http://www.bts.gov/publications/state_transportation_statistics/