

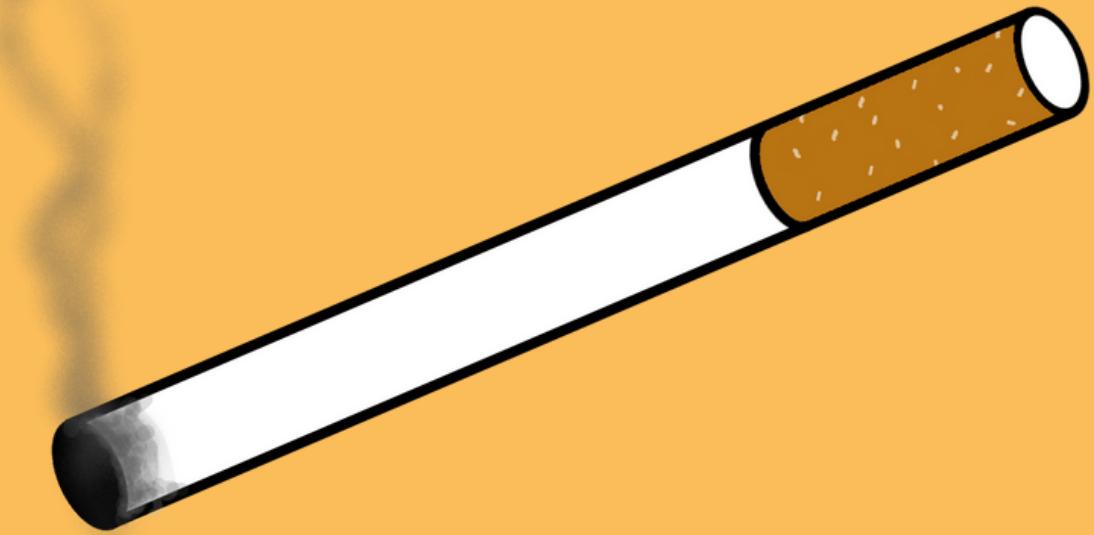


Tamaya Presents

FINAL PROJECT
FOR DSO102C

Today's Topic

THE ILL COST OF
CIGARETTES



t- Test

t-Test reveals there is a significant difference in the data from 1985 and 1995.

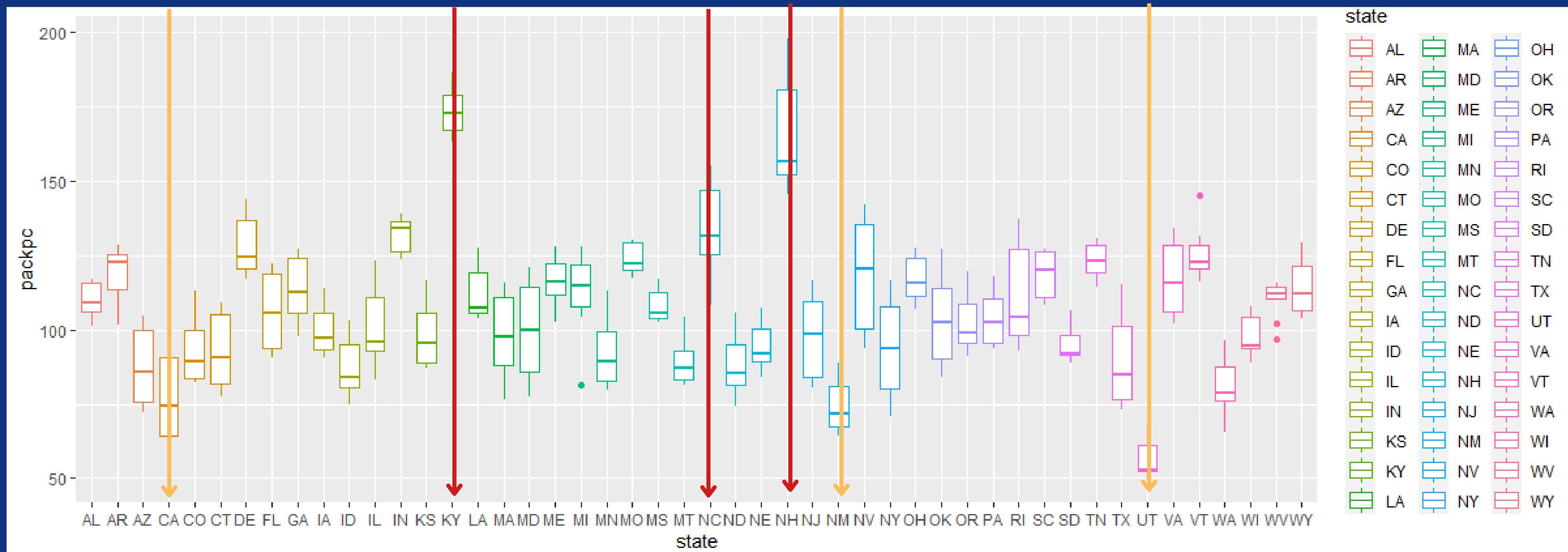
p-value < 2.2e-16

mean difference : 25.70863



Number of Packs Per Person

From 1985-1995

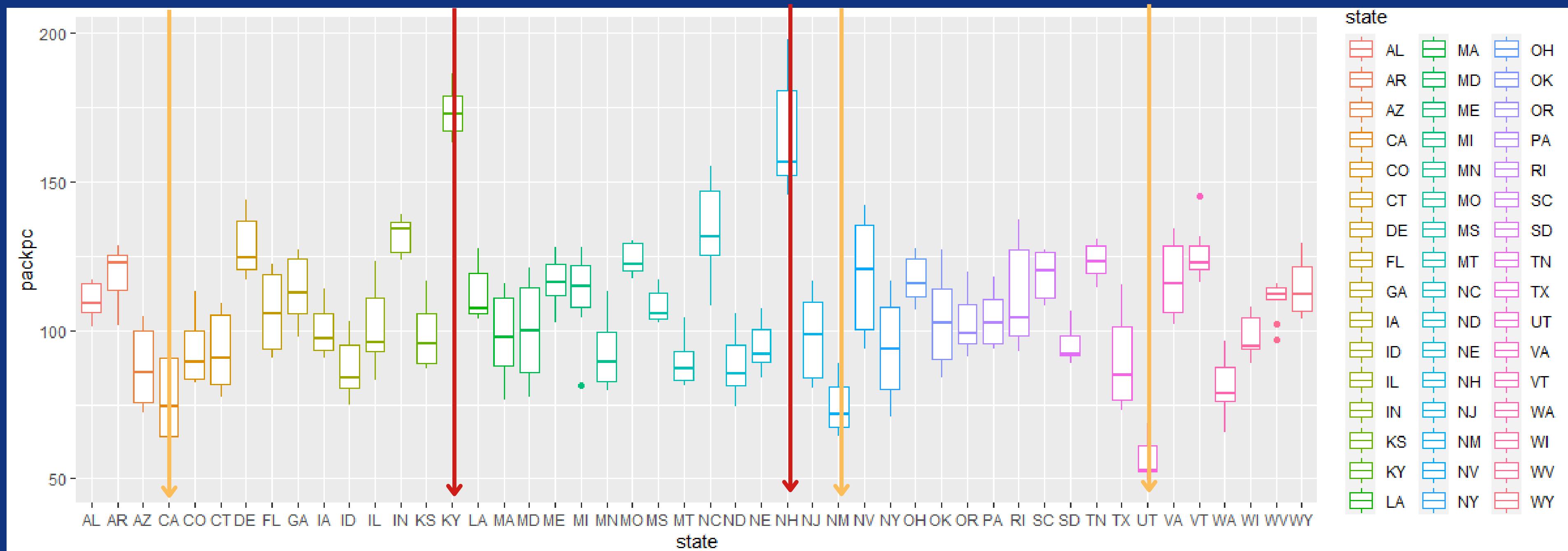


→ The states with the highest are Kentucky, New Hampshire, and North Carolina.

→ The states with the lowest are New Mexico, California, and Utah

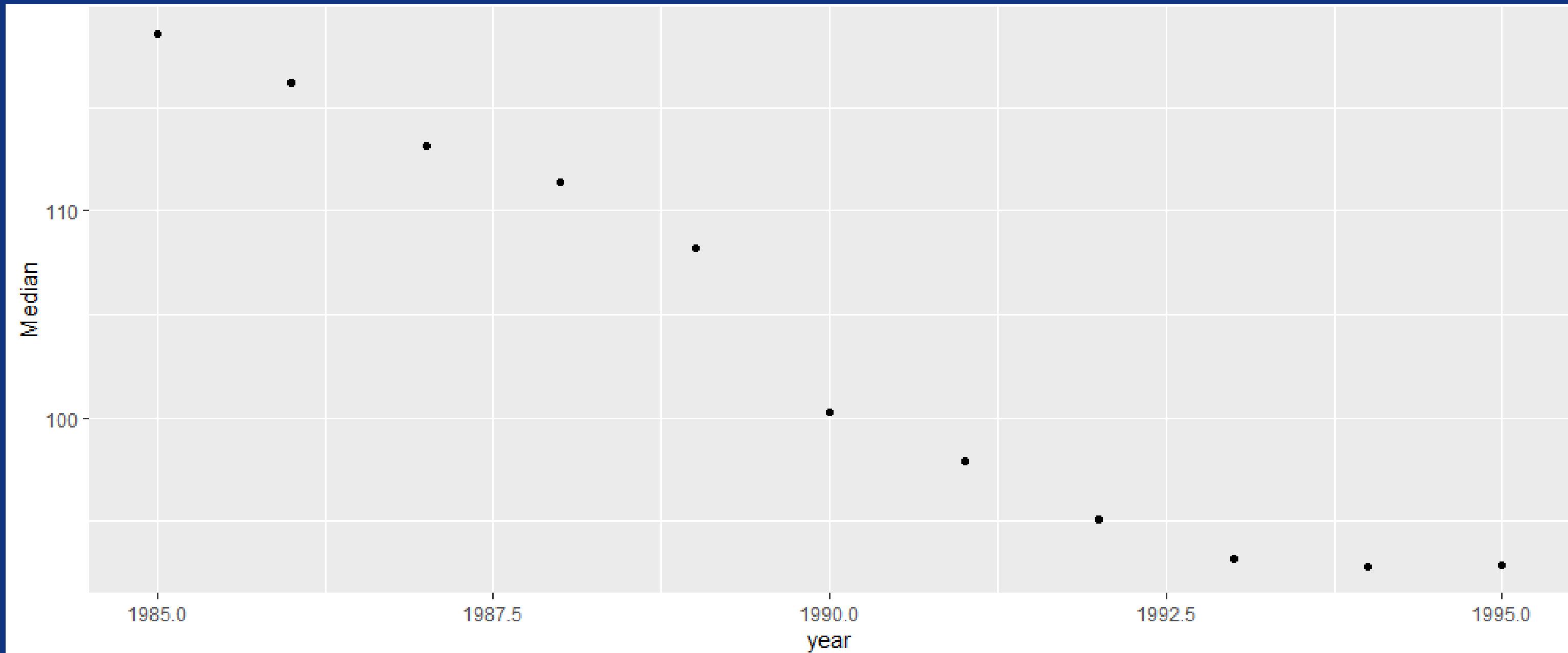
Number of Packs Per Person

From 1985-1995



Median Number of Packs Per Person

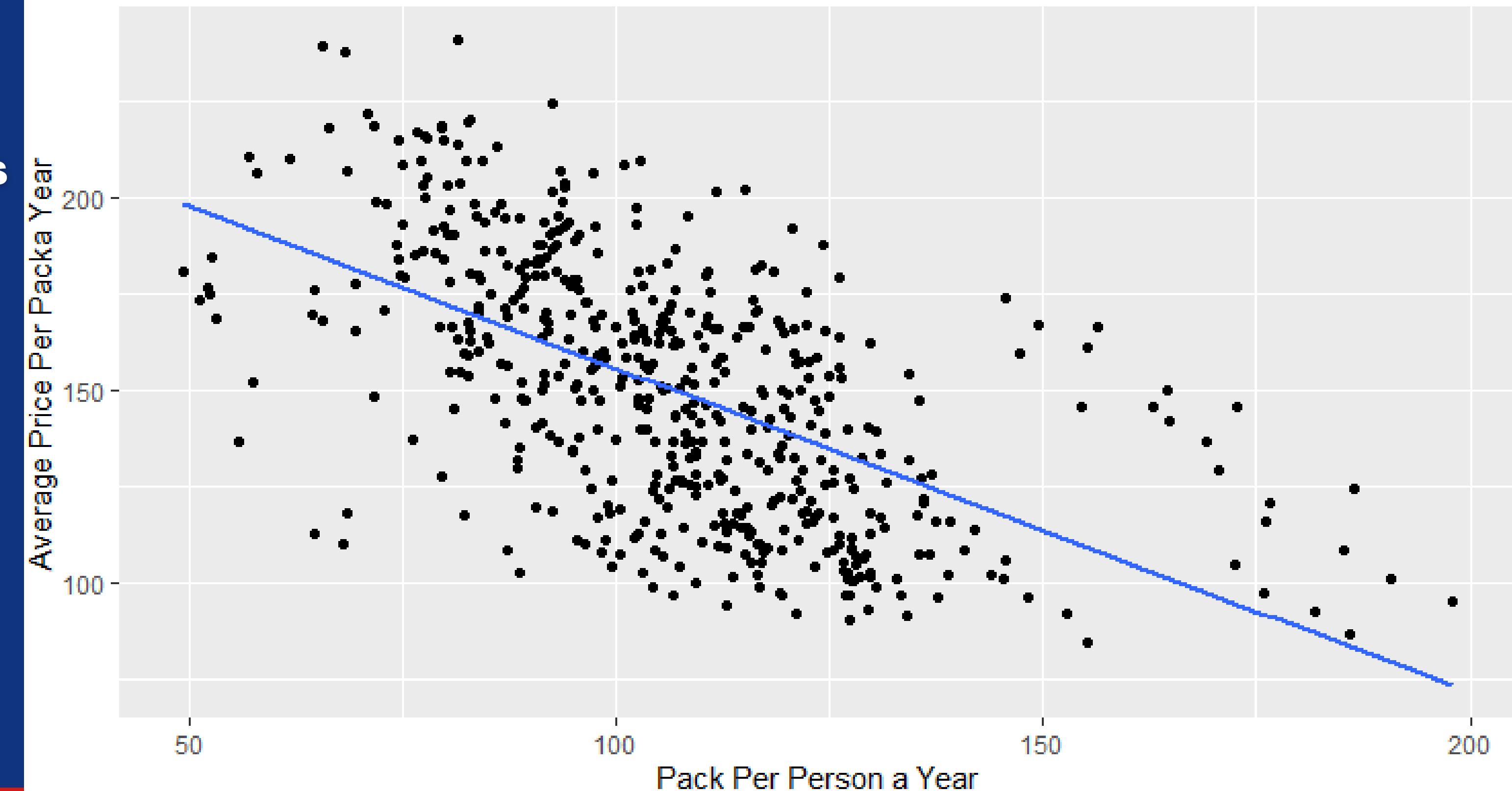
Average number of packs sold per person reveals that southern states may either have stronger ties or more leisure time. Warmer weather permits for more outdoor activity, unfortunately including smoking. Also, the average income for



PRICE PER PACK VS NUMBER OF PACKS PER CAPITA FOR ALL STATES AND YEARS

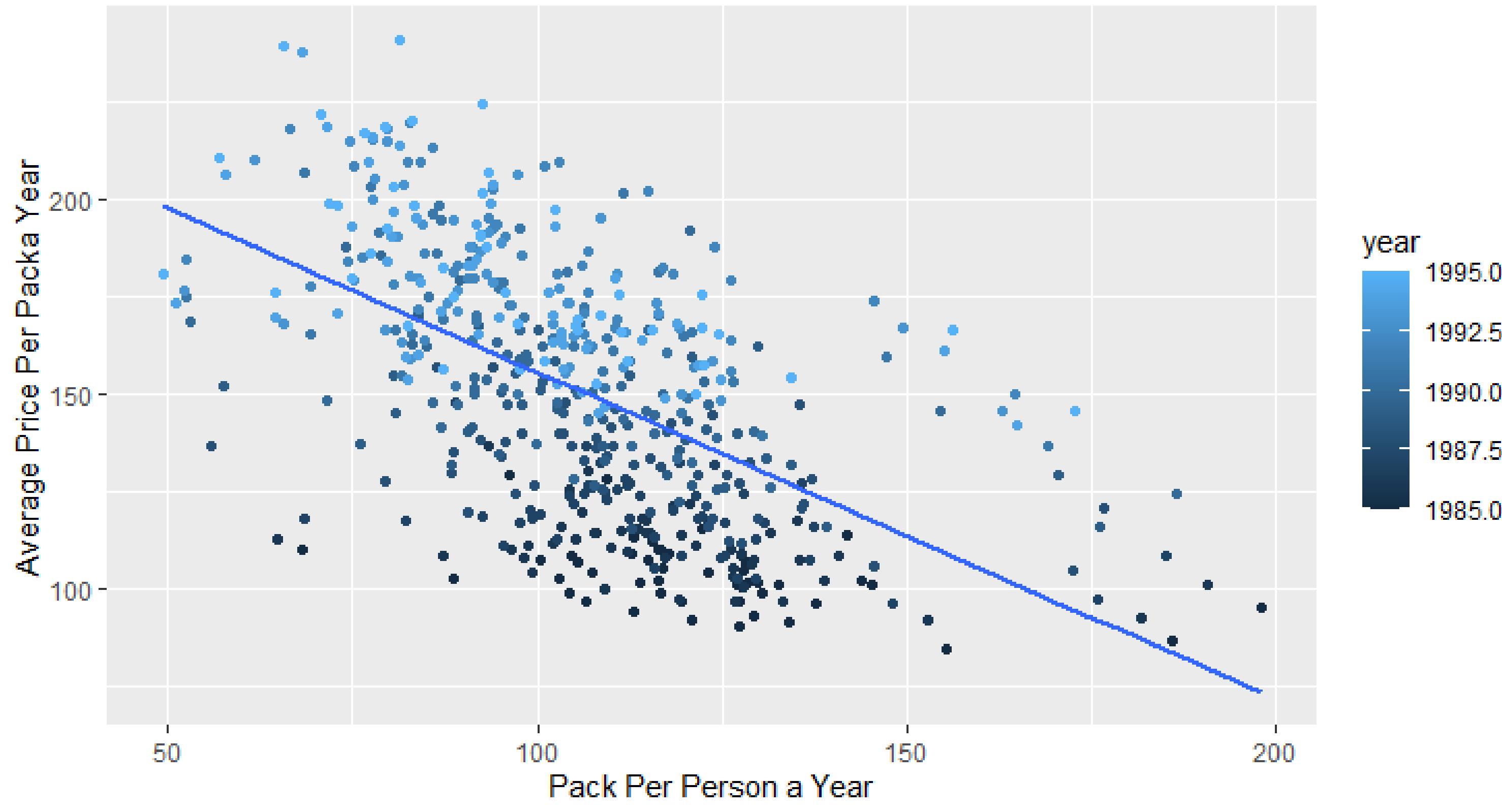
We can see here the line is moving downward from the top which gives us the indication that the data is negatively correlated. This gives me the indication cigarettes were cheaper at one time but price increased. Inflation?

Price Per Pack vs number of Packs Per Person a Year



PRICE PER PACK VS NUMBER OF PACKS PER CAPITA FOR ALL STATES AND YEARS

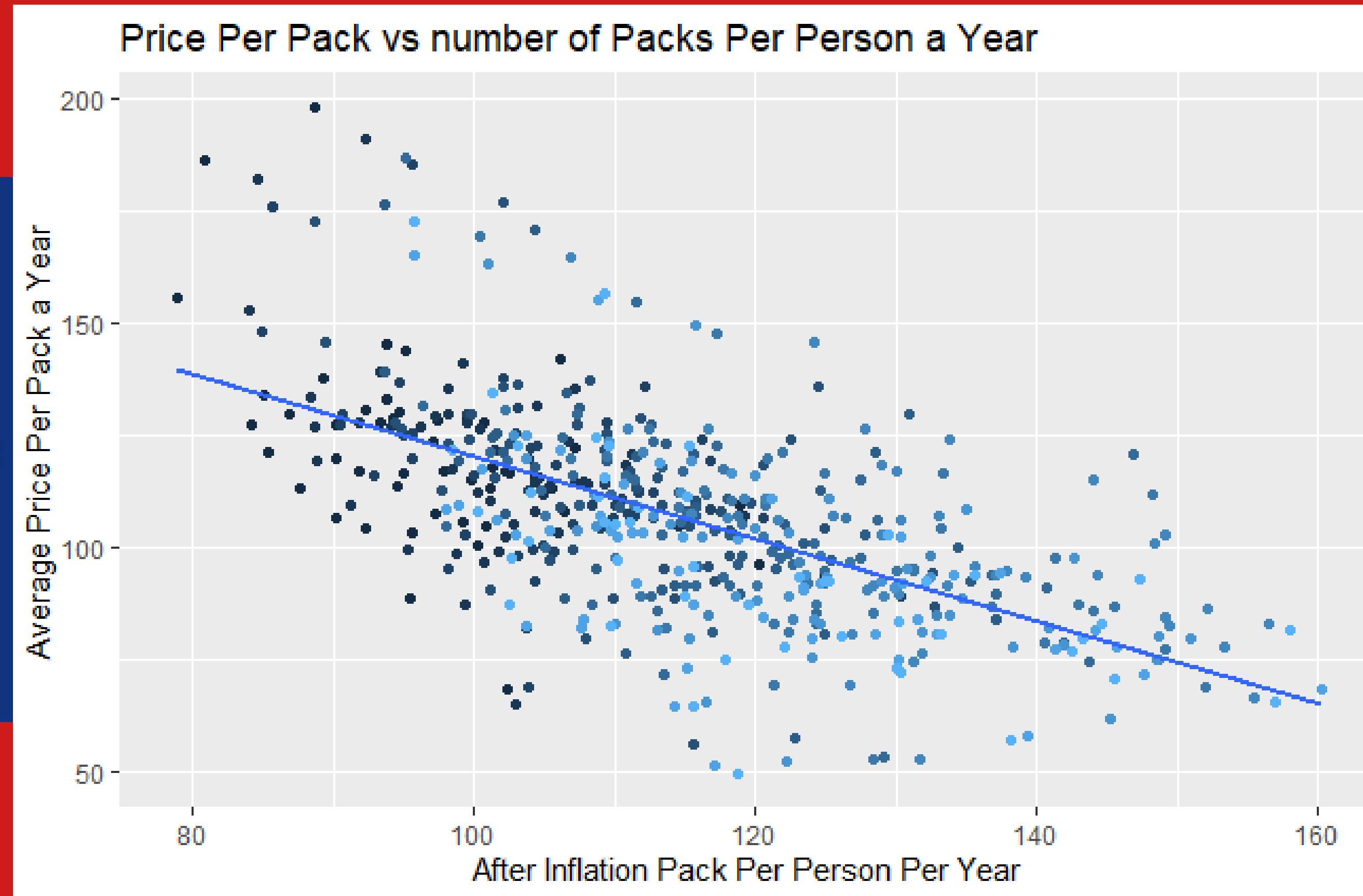
Price Per Pack vs number of Packs Per Person a Year



The relationship between the two variables change as the year increases. Cigarettes are more expensive in 1995 than in 1985. looks like the price of cigarettes went up probably due to inflation. The number of packs per capita decreased probably due to price and social initiatives to stop smoking which also could drive up prices.

PRICE PER PACK VS NUMBER OF PACKS PER PERSON INCLUDING INFLATION

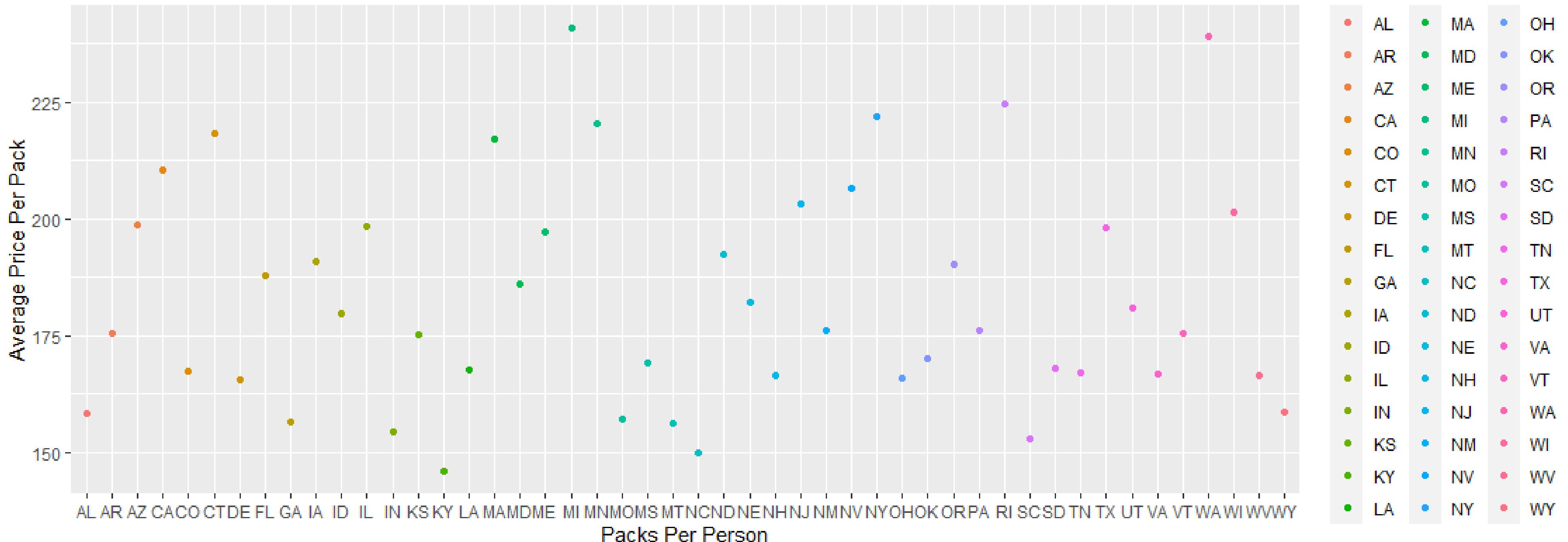
We can see that the number of packs decreased as inflation increased. Was it that people couldn't afford their unhealthy addiction?



EXTRA FACTS

**Let's look at the average price of cigarettes per pack per state in 1995.
What do we see?**

Average Price Per Pack & Price Per Person in 1995

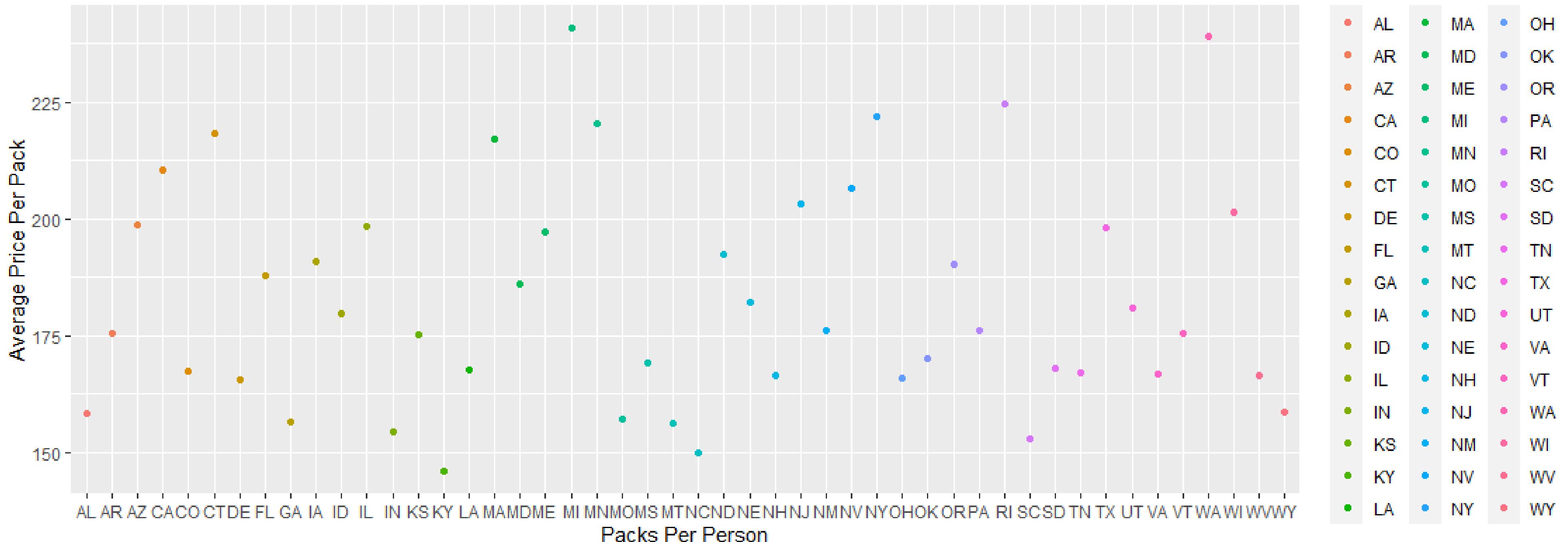


Michigan & Washington have the highest cost. Kentucky and North Carolina (the highest smokers) have the lowest costs. Makes sense.

EXTRA FACTS

**What about in 1990?
What do we see?**

Average Price Per Pack & Price Per Person in 1995



Looks about the same, and according to t.test, they are!

Conclusion

Took a look at the cost of cigarettes per state and lo and behold, the states with the highest smokers have the lowest cost of cigarettes.
Unhealthy!

Cigarette consumption causes unnecessary health risk. As much information available and efforts, the information is not targeted to every community, only certain ones. Legislation has increased efforts but there's still more work to be done. How about making it more expensive?





Key Points

SOMETHING ABOUT HATING
CIGARETTES

ANOTHER POINT

Contact Information



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