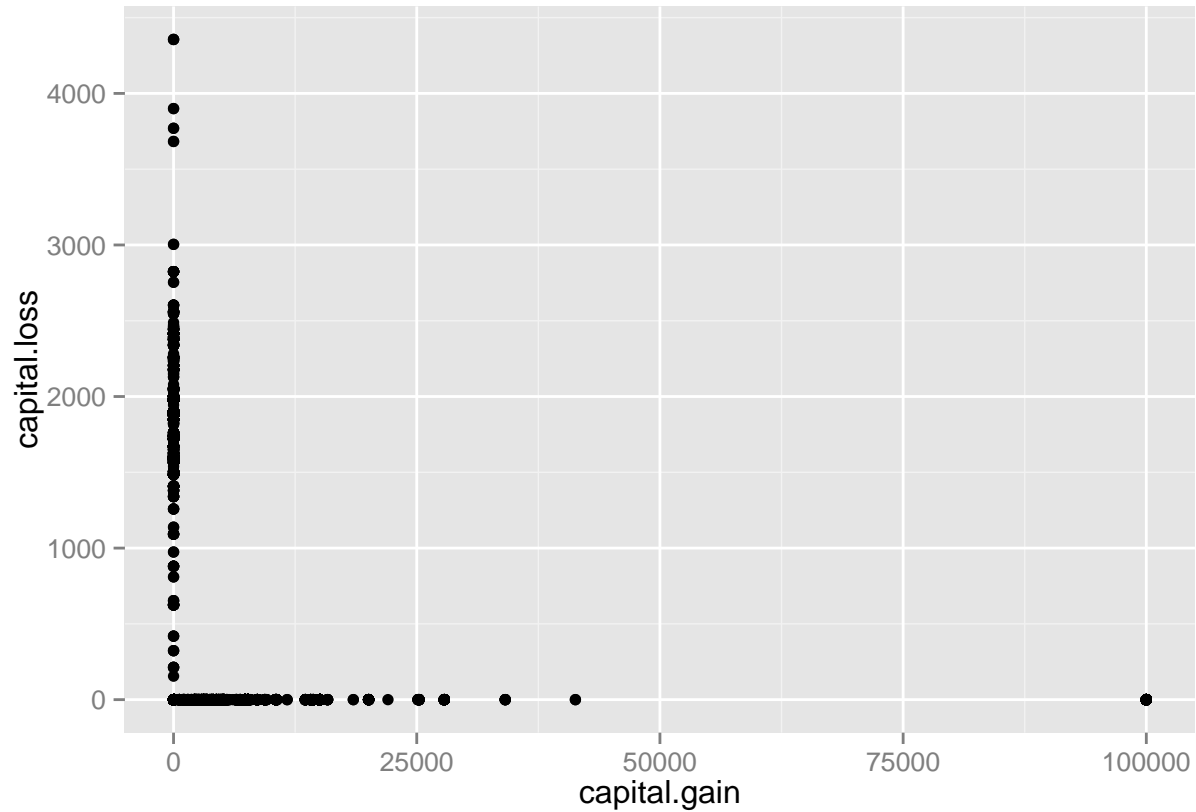


data used : from census_income.csv Lets dig deeper in our data to find, to examine significant [Or not] interactions among different features [variables].

One

Are capital.gain and capital.loss really different ?

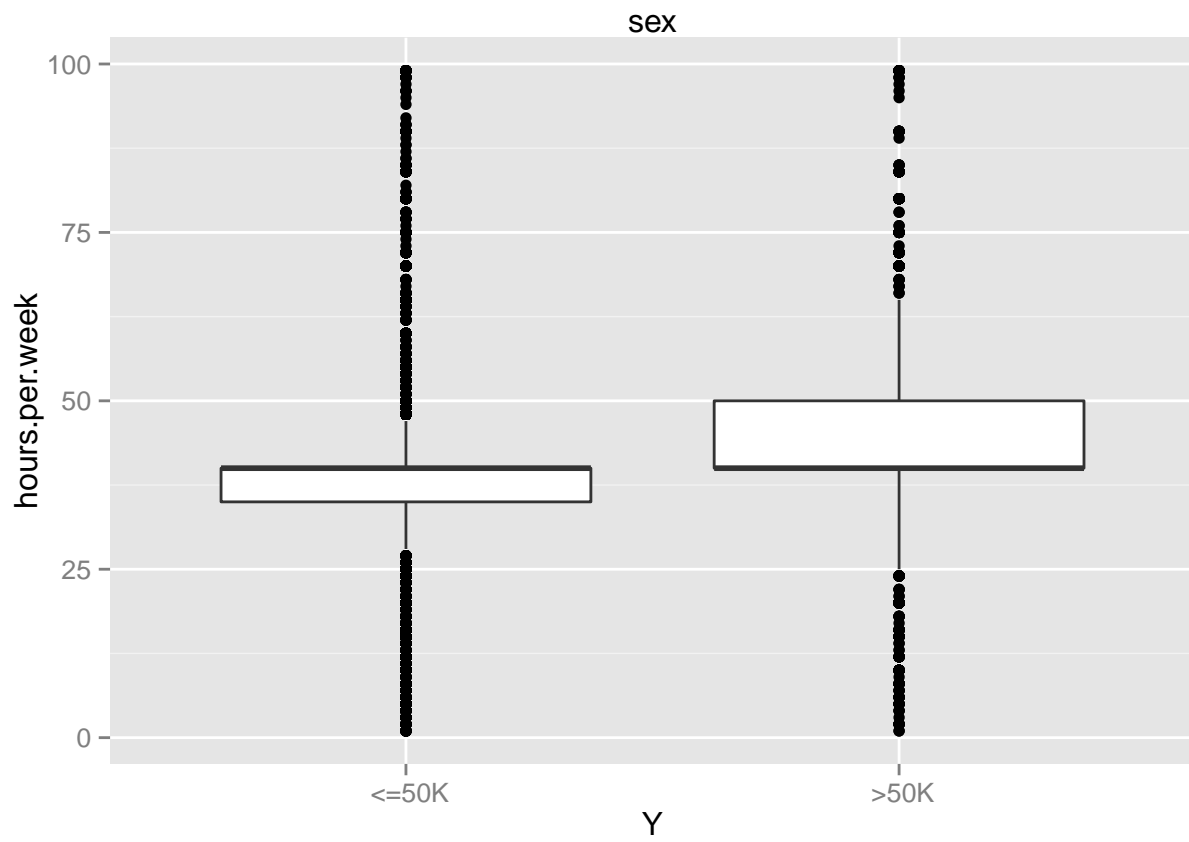
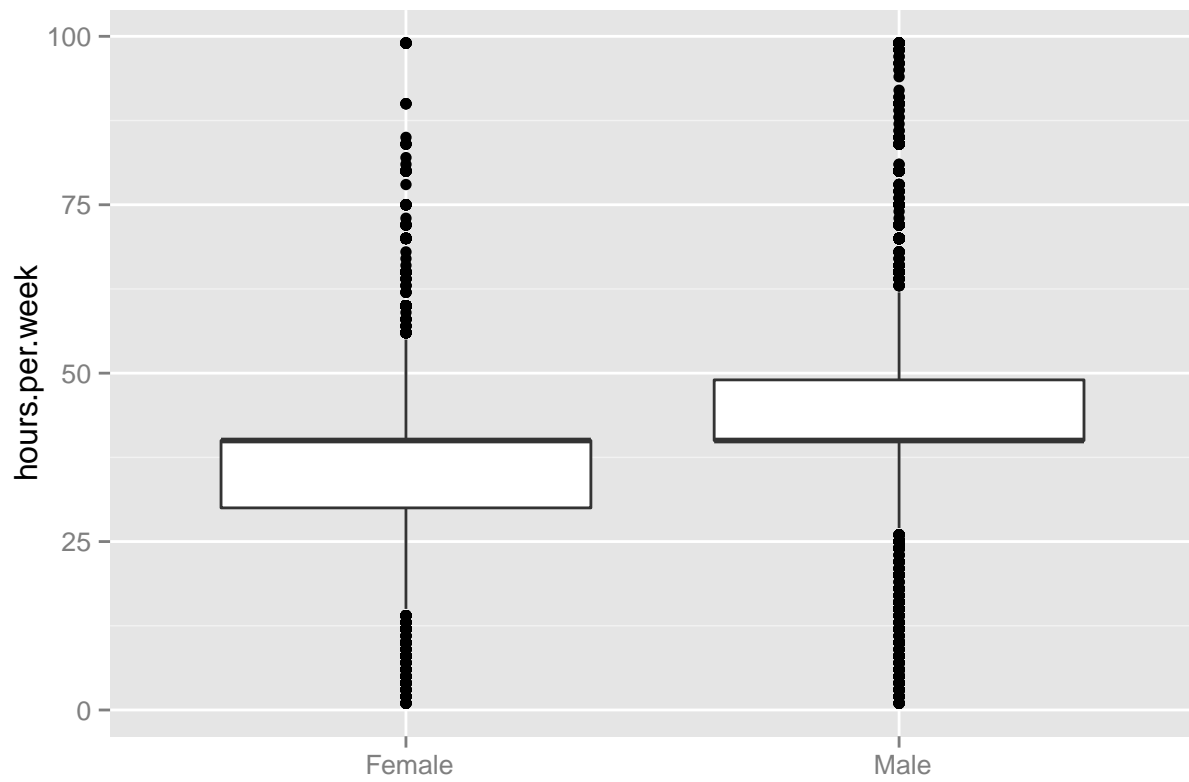
select an appropriate hypothesis test, explain your conclusion. Does the visual evidence given below support your conclusion?



Two

Find out if hours.per.week are significantly different across genders , income levels.

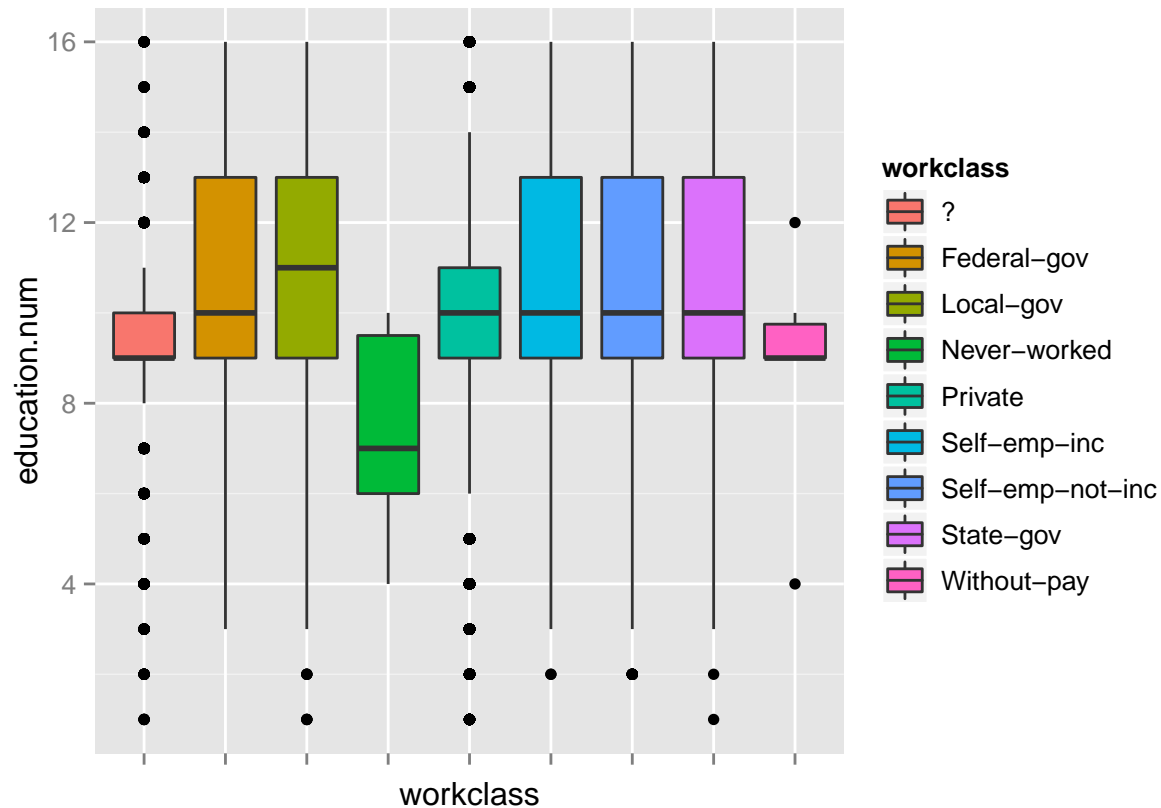
select appropriate hypothesis tests, explain your conclusions. Do the visual evidences given below support your conclusion?



Three

Intuitively it seems that education levels should be different across workclasses , examine whether this is true using your data. Also report which classes have education levels significantly higher/lower in comparison to others ; using an additional test. [variables involved : education.num and workclass].

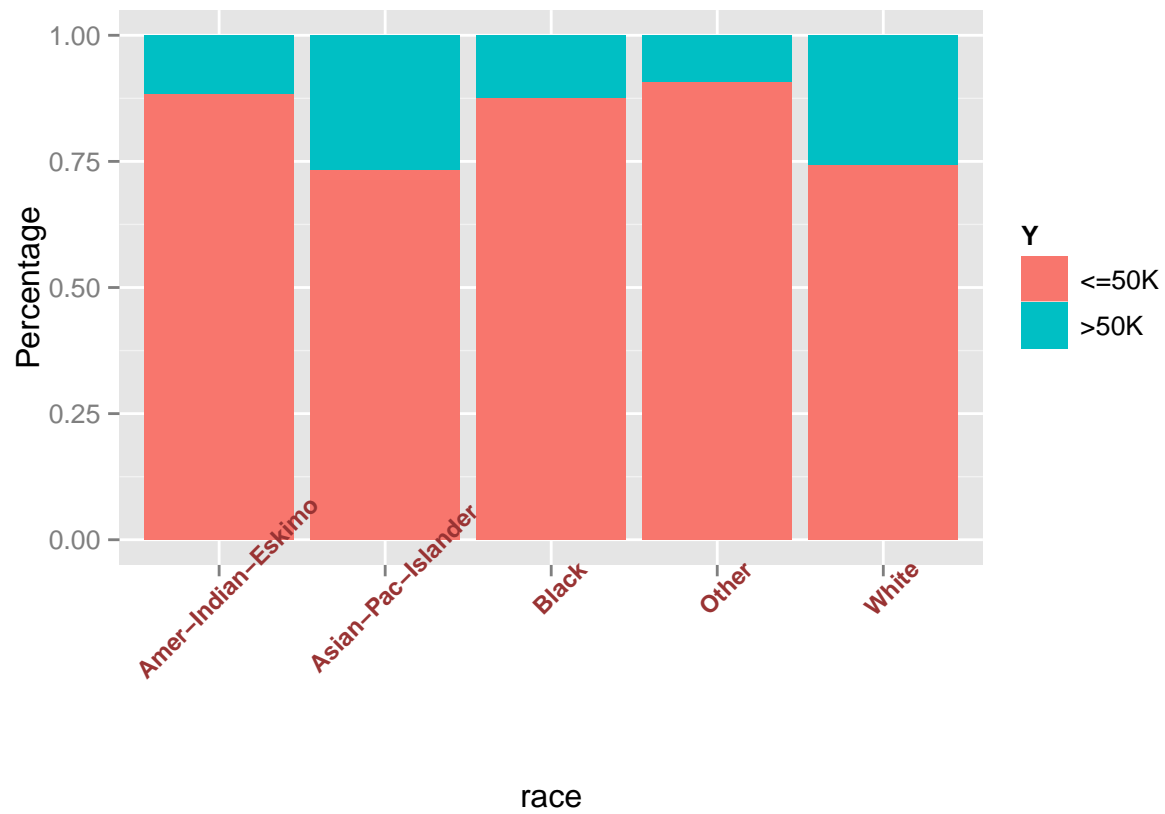
select appropriate hypothesis tests, explain your conclusions. Does the visual evidence given below support your conclusion?



Four

Find if income levels are affected by race.

select appropriate hypothesis tests, explain your conclusions. Does the visual evidence given below support your conclusion?



Note : Questions here look little and innocent , they may not be ;).