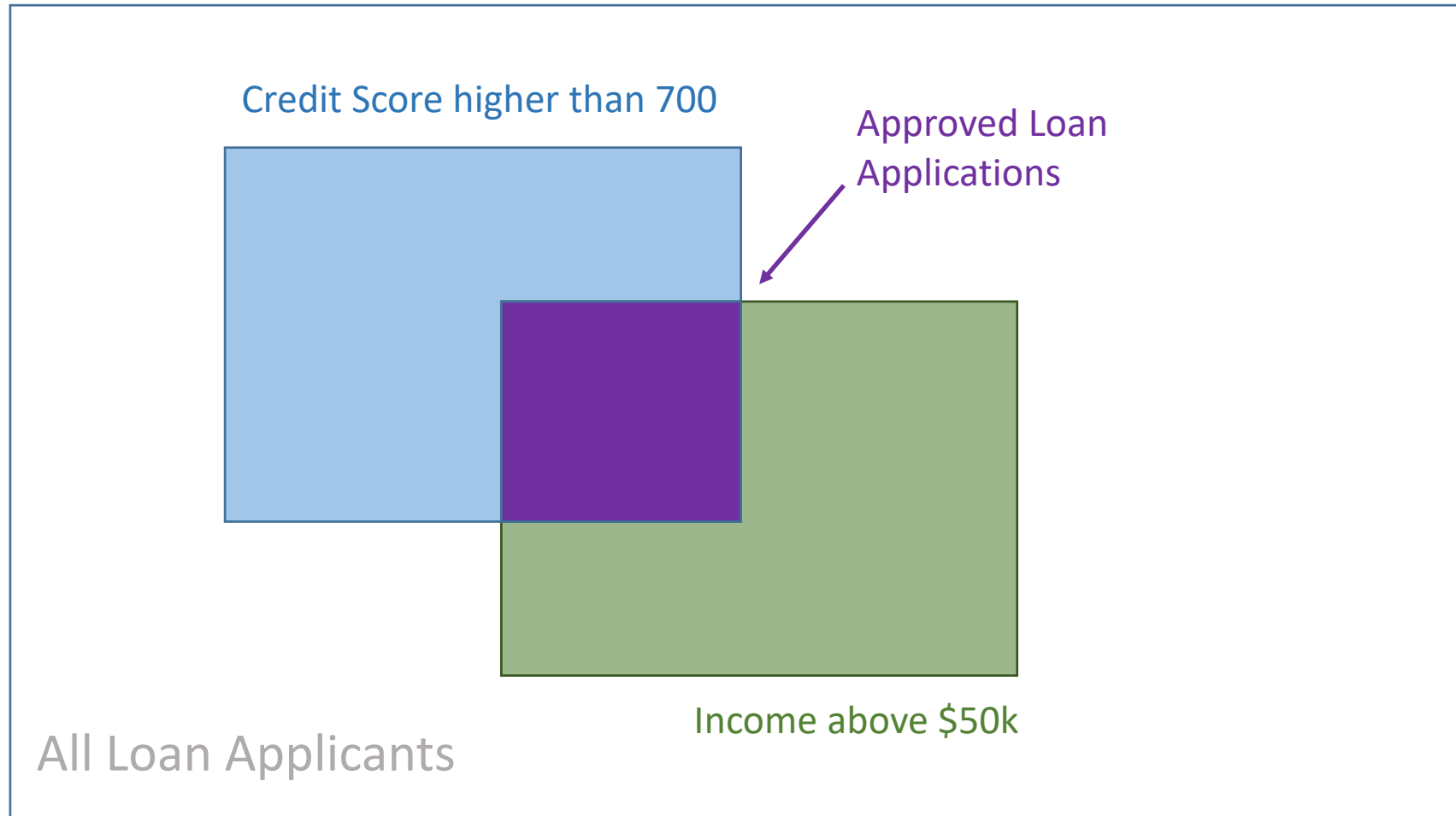
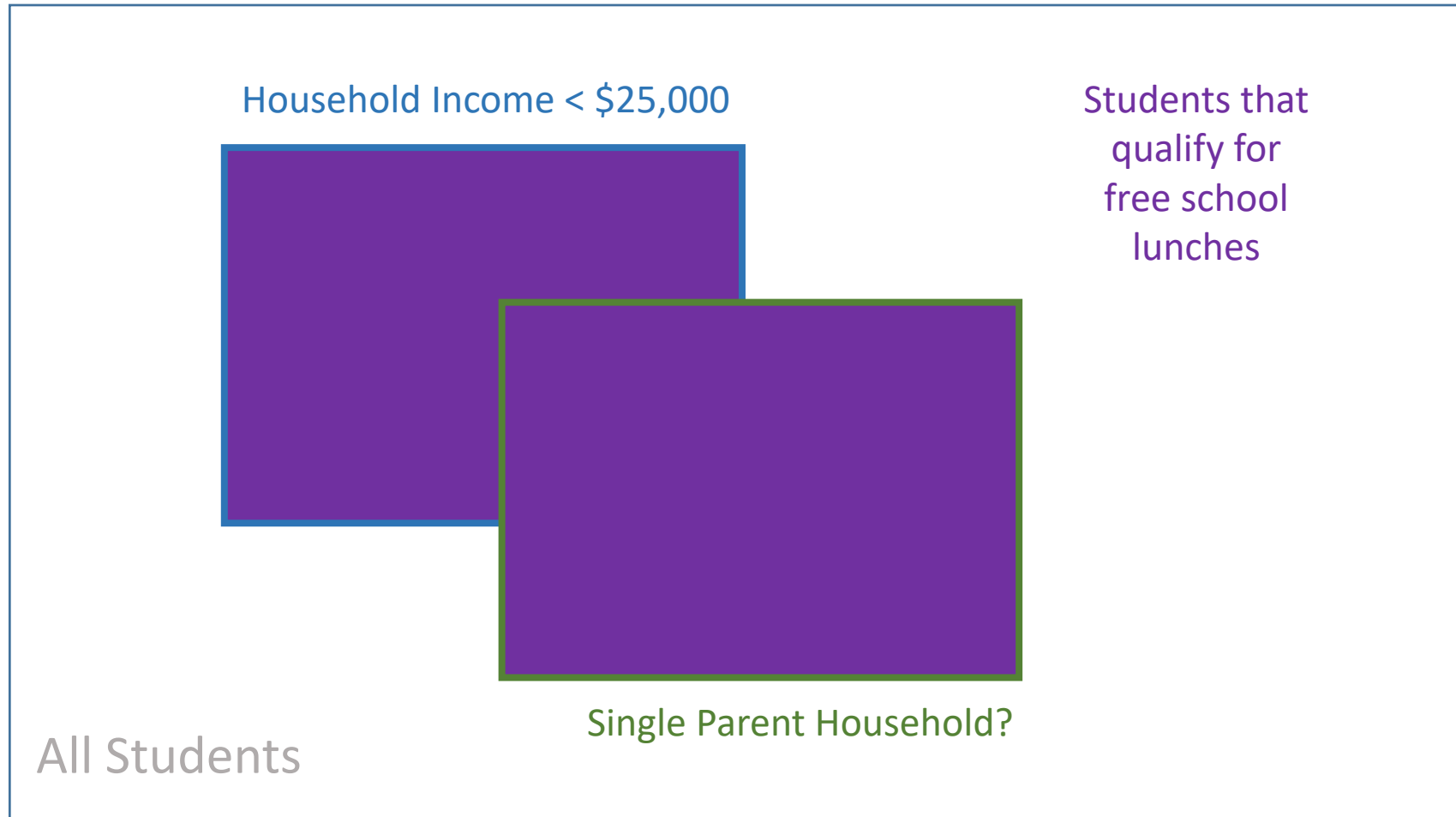


```
these.applicants <- credit.score > 700 & income > 50000
```



```
these.free.lunch <- household.income < 25000 | single.parent == "yes"
```



Note that for compound statements:

**AND** operator functions like **division**

(you can only get a smaller group)

**OR** operator functions like **addition**

(each additional criteria adds to the group)

One type of compound statements defines a new group as a combination of groups from an existing categorical variable. Note that in this context the AND operator is nonsensical because categorical vectors (factors) are mutually-exclusive, so there is no intersection of groups.

### Land Use Vector (categorical)

Single Family	Multi-Family	Apartments	Commercial	Parks
---------------	--------------	------------	------------	-------

```
these.residential <- dat$land_use == "MultiFamily" |  
                    dat$land_use == "Apartments" |  
                    dat$land_use == "Single Family"
```