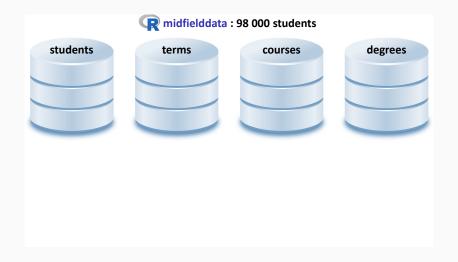
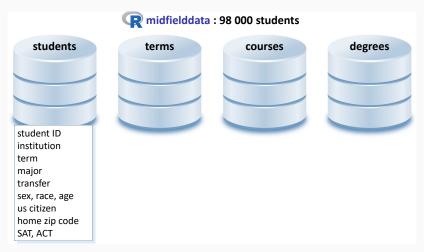
# Introducing midfieldr

## R package midfielddata provides a stratified sample



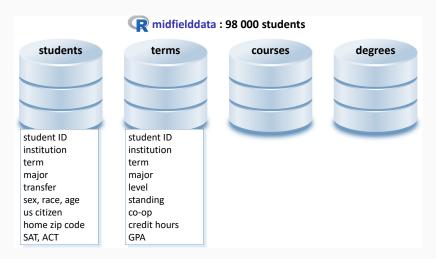
### Each observation is a unique student



#### midfieldstudents

98,000 observations 19 Mb of memory

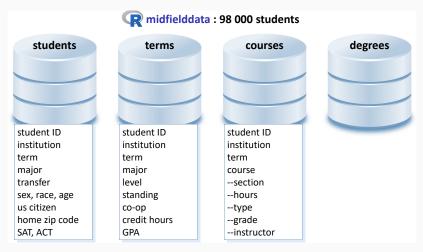
### Each observation is one term for one student



#### midfieldterms

729,000 observations 82 Mb of memory

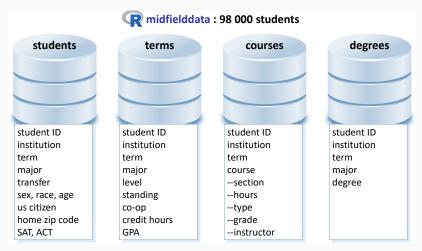
### Each observation is one course for one student



#### midfieldcourses

3.5 M observations348 Mb of memory

### Each observation is a unique student



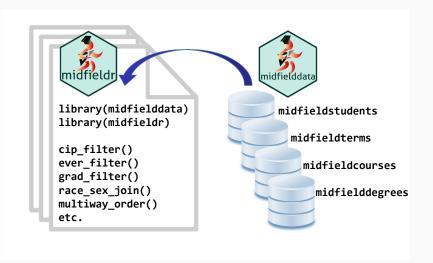
midfielddegrees

98,000 M observations 10 Mb of memory

# midfielddata provides the data

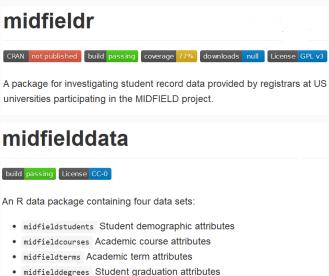


### midfieldr provides the tools



## Preparing for the workshop, you installed both packages

https://midfieldr.github.io/midfieldr



## midfieldr provides functions for working with midfieldddata

Some of those functions you will use today are:

Function	Provides
cip_filter()	Identify programs by CIP code
cip_label()	Label your programs
ever_filter()	Find all students ever enrolled in your programs
grad_filter()	Find all graduates of your programs
race_sex_join()	Join student race/ethnicity and sex to the data
multiway_order()	Order the rows and panels of multiway data