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Defn :  $tc$  = tuition cost ;  $ti$  = tuition income ;  $sp$  = salary potential  
 $ht$  = historical tuition ;  $ds$  = diversity school

Summary of tables :

$tc$  : Cost given <sup>in/out state status, state,</sup> degree program, type of school, etc.  
 $sp$  : General financial outlook for students of schools given STEM enrollment %, pay given career stage, state, etc.  
 $ds$  : General make-up of a school's student body.  
 $ti$  : Income versus tuition cost for students given total/net cost of attendance, campus residence, income level, and year.  
 $ht$  : How tuition has changed in cost over time.

Variables of interest:

$sp$  :

Stem-Percent

early-career-pay

mid-career-pay

NC

$ti$  :

net-cost

total-price

campus

income-lvl

State

avg \$ paid after aid (scholarship/grant)

hard to visualize

$tc$  :

state

state-code

degree-length

{ "tuition vars" }

$ds$  :

category

enrollment

very interesting

## Questions for further exploration:

- ① What is the year-to-year change in average cost of attendance for 4-yr colleges? Which state has the highest change?  
→ Change will likely be high in magnitude and positive.  
*most interesting reason I hate paying so much money to attend school this better be worth it!!!*
- ② What is the relationship between schools with high STEM major % and characteristics of diversity  
→ Experience and media alludes to low diversity in schools with a predominant STEM student body
- ③ What is the average income level of schools where STEM majors comprise more than  $\frac{1}{4}$  of the student body?  
→ Since STEM careers tend to make more money, it makes sense that it would be the aspiration for lower-income students.
- ④ In which states are the top 5 schools of the antithesis of PWI located? (i.e. where are the 5 least white/male-dominated schools?)  
→ Gotta say, it would be surprising if any of them were in southern states.
- ⑤ What is the median/mean net price for low-income students?  
→ Let's say \$15,000 per year.
- ⑥ What is the average difference between the in-state/out-of-state costs of attendance?  
→ Doubled. No less.
- ⑦ Which schools are generally the most expensive?  
→ 4-yr private or for-profit universities.
- ⑧ What is the average pay of alumni for schools whose alumni generally think they are making the world a better place?  
→ non-profit sector may make less than private for-profit sector