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1  use "\\tsclient\ (VMFR)Downloads\grade5.dta"
2  des
3  sum
4  binscatter avgmath school_enrollment
5  help binscatter
6  binscatter classsize school_enrollment if inrange(school_enrollment,20,60), rd(40.5) discrete line(
  lfit)
7  binscatter classsize school_enrollment if inrange(school_enrollment,20,60), discrete line(lfit)
8  binscatter avgmath school_enrollment if inrange(school_enrollment,20,60), rd(40.5) discrete line(lfit)
9  binscatter avgmath school_enrollment if inrange(school_enrollment,20,60), discrete line(lfit)
10 binscatter female school_enrollment if inrange(school_enrollment,20,60), rd(40.5) discrete line(lfit)
11 binscatter avgmath school_enrollment if inrange(school_enrollment,20,60), rd(40.5) discrete line(lfit)
12 binscatter female school_enrollment if inrange(school_enrollment,20,60), rd(40.5) discrete line(lfit)
13 tab female
14 br female
15 binscatter disadvantaged school_enrollment if inrange(school_enrollment,20,60), rd(40.5) discrete
  line(lfit)
16 binscatter religious school_enrollment if inrange(school_enrollment,20,60), rd(40.5) discrete line(
  lfit)
17 gen above40 = 0
18 replace above40 = 1 if school_enrollment > 40
19 gen x = school_enrollment - 40
20 gen x_above40 = x*above40
21 br above40
22 br x_above40
23 sum x_above40
24 br x_above40
25 br
26 order school_enrollment above40 x x_above40
27 reg classsize above40 if inrange(school_enrollment,0,80)
28 reg x_above40 if inrange(school_enrollment,0,80)
29 reg avgmath above40 if inrange(school_enrollment,0,80)
30 reg avgmath above40 x x_above40 if inrange(school_enrollment,0,80)
31 reg classsize above40 x x_above40 if inrange(school_enrollment,0,80)
32 br

```