

**University of California, Office of the President
SCHOOL UNIVERSITY PARTNERSHIP
COURSE-TAKING PATTERN DATA REPORTING
2000-01 Academic Year**

Annotated SPSS Code

*This file aggregates individual course record data to .

*create one line of data for each student.

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* Benchmarks.

*variables are created.

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**** Creating Benchmark variables ****

set mxmemory=1400000/workspace=512000.

temp.

select if ENRLD01=1.

* Beginning of Benchmark section

* select the entries for the courses we want to

* calculate benchmarks for:

* Algebra I/Integrated Math I

* English 9th Grade

* Geometry/Integrated Math II by the 10th Grade

* English 10th Grade

* Algebra II/Integrated Math III

* Chemistry by the 11th Grade

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* Initialize the Variables as follows:

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* Taken Courses

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* alg1a Taken Algebra I/Int Semester A Math I by the 9th Grade

* alg1b Taken Algebra I/Int Semester B Math I by the 9th Grade

* eng9a Taken 9 Gr English Semester A

* eng9b Taken 9 Gr English Semester B

* geoa Taken Geometry& int math 2 by 10 Gr Semester A

* geob Taken Geometry& int math 2 by 10 Gr Semester B

* eng10a Taken 10 Grade English Semester A

* eng10b Taken 10 Grade English Semester B

* alg2a Taken Algebra II/Int Math III by the 11th Grade Semester A

* alg2b Taken Algebra II/Int Math III by the 11th Grade Semester B

* chm11a Taken Chemistry by 11 Gr Semester A

* chm11b Taken Chemistry by 11 Gr Semester B

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*

compute alg1b=0.
compute eng9a=0.
compute eng9b=0.
compute geoa=0.
compute geob=0.
compute eng10a=0.
compute eng10b=0.
compute alg2a=0.
compute alg2b=0.
compute chm11a=0.
compute chm11b=0.

*

* Completed Courses With any grade

*

compute alg1ca=0.
compute alg1cb=0.
compute eng9ca=0.
compute eng9cb=0.
compute geoca=0.
compute geocb=0.
compute eng10ca=0.
compute eng10cb=0.
compute alg2ca=0.
compute alg2cb=0.
compute chm11ca=0.
compute chm11cb=0.

*

* Passed Courses With a 'C'

*

compute alg1pa=0.
compute alg1pb=0.
compute eng9pa=0.
compute eng9pb=0.
compute geopa=0.
compute geopb=0.
compute eng10pa=0.
compute eng10pb=0.
compute alg2pa=0.
compute alg2pb=0.
compute chm11pa=0.
compute chm11pb=0.

*

* Passed Courses With a 'B'

*

compute alg1ea=0.
compute alg1eb=0.
compute eng9ea=0.
compute eng9eb=0.
compute geoea=0.
compute geoeb=0.
compute eng10ea=0.
compute eng10eb=0.
compute alg2ea=0.
compute alg2eb=0.
compute chm11ea=0.
compute chm11eb=0.

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* This routine initializes the counter for the respective courses that the
* students have taken. Each course lasts for one semester.

*

if (grade le 9 AND (crsno eq 103301 or crsno eq 103807)) alg1a=1.
if (grade le 9 AND (crsno eq 103302 or crsno eq 103808)) alg1b=1.

if (grade le 9 AND (crsno eq 320107)) eng9a=1.
if (grade le 9 AND (crsno eq 320108)) eng9b=1.

if (grade le 10 AND (crsno eq 103401 or crsno eq 103809)) geoa=1.
if (grade le 10 AND (crsno eq 103402 or crsno eq 103810)) geob=1.

if (grade le 10 AND (crsno eq 320109 or crsno eq 320110)) eng10a=1.
if (grade le 10 AND (crsno eq 320109 or crsno eq 320110)) eng10b=1.

if (grade le 11 AND (crsno eq 103303 or crsno eq 103811)) alg2a=1.
if (grade le 11 AND (crsno eq 103304 or crsno eq 103812)) alg2b=1.

if (grade le 11 AND (crsno eq 613401 or crsno eq 613403)) chm11a=1.
if (grade le 11 AND (crsno eq 613402 or crsno eq 613404)) chm11b=1.

*

* Only courses that had any mark 'A' to 'F' with are counted as Completed *

*

if (alg1a=1 AND (any(mark,'A','B','C','D','F'))) alg1ca=1.
if (alg1b=1 AND (any(mark,'A','B','C','D','F'))) alg1cb=1.
if (eng9a=1 AND (any(mark,'A','B','C','D','F'))) eng9ca=1.
if (eng9b=1 AND (any(mark,'A','B','C','D','F'))) eng9cb=1.
if (geoa=1 AND (any(mark,'A','B','C','D','F'))) geoca=1.
if (geob=1 AND (any(mark,'A','B','C','D','F'))) geocb=1.
if (eng10a=1 AND (any(mark,'A','B','C','D','F'))) eng10ca=1.
if (eng10b=1 AND (any(mark,'A','B','C','D','F'))) eng10cb=1.
if (alg2a=1 AND (any(mark,'A','B','C','D','F'))) alg2ca=1.
if (alg2b=1 AND (any(mark,'A','B','C','D','F'))) alg2cb=1.
if (chm11a=1 AND (any(mark,'A','B','C','D','F'))) chm11ca=1.
if (chm11b=1 AND (any(mark,'A','B','C','D','F'))) chm11cb=1.

*

* Only courses that were COMPLETED with a "C" or above are counted as passed

*

if (alg1a=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) alg1pa=1.
if (alg1b=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) alg1pb=1.
if (eng9a=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) eng9pa=1.
if (eng9b=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) eng9pb=1.
if (geoa=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) geopa=1.
if (geob=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) geopb=1.
if (eng10a=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) eng10pa=1.
if (eng10b=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) eng10pb=1.
if (alg2a=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) alg2pa=1.
if (alg2b=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) alg2pb=1.
if (chm11a=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) chm11pa=1.
if (chm11b=1 AND (mark eq 'A' or mark eq 'B' or mark eq 'C')) chm11pb=1.

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* Only courses that were COMPLETED with a "B" or above are counted as competitively eligible

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if (alg1a=1 AND (mark eq 'A' or mark eq 'B')) alg1ea=1.
if (alg1b=1 AND (mark eq 'A' or mark eq 'B')) alg1eb=1.
if (eng9a=1 AND (mark eq 'A' or mark eq 'B')) eng9ea=1.
if (eng9b=1 AND (mark eq 'A' or mark eq 'B')) eng9eb=1.
if (geoa=1 AND (mark eq 'A' or mark eq 'B')) geoea=1.
if (geob=1 AND (mark eq 'A' or mark eq 'B')) geobeb=1.
if (eng10a=1 AND (mark eq 'A' or mark eq 'B')) eng10ea=1.
if (eng10b=1 AND (mark eq 'A' or mark eq 'B')) eng10eb=1.
if (alg2a=1 AND (mark eq 'A' or mark eq 'B')) alg2ea=1.
if (alg2b=1 AND (mark eq 'A' or mark eq 'B')) alg2eb=1.
if (chm11a=1 AND (mark eq 'A' or mark eq 'B')) chm11ea=1.
if (chm11b=1 AND (mark eq 'A' or mark eq 'B')) chm11eb=1.
***** End of Benchmark variable creation Section *****

AGGREGATE

/OUTFILE='E:\BenchmarkFolder\BM01.SAV'

/BREAK=STUDID

/ alg1a =sum(alg1a)

/ alg1b=sum(alg1b)

/ eng9a=sum(eng9a)

/ eng9b=sum(eng9b)

/ geoa=sum(geoa)

/ geob=sum(geob)

/ eng10a=sum(eng10a)

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/ eng10b=sum(eng10b)
/ alg2a=sum(alg2a)
/ alg2b=sum(alg2b)
/ chm11a =sum(chm11a)
/ chm11b =sum(chm11b)
/ alg1ca =sum(alg1ca)
/ alg1cb=sum(alg1cb)
/ eng9ca=sum(eng9ca)
/ eng9cb=sum(eng9cb)
/ geoca=sum(geoca)
/ geocb=sum(geocb)
/ eng10ca=sum(eng10ca)
/ eng10cb=sum(eng10cb)
/ alg2ca=sum(alg2ca)
/ alg2cb=sum(alg2cb)
/ chm11ca =sum(chm11ca)
/ chm11cb=sum(chm11cb)
/ alg1pa =sum(alg1pa)
/ alg1pb=sum(alg1pb)
/ eng9pa=sum(eng9pa)
/ eng9pb=sum(eng9pb)
/ geopa=sum(geopa)
/ geopb=sum(geopb)
/ eng10pa=sum(eng10pa)
/ eng10pb=sum(eng10pb)
/ alg2pa=sum(alg2pa)
/ alg2pb=sum(alg2pb)
/ chm11pa =sum(chm11pa)
/ chm11pb=sum(chm11pb)
/ alg1ea=sum(alg1ea)
/ alg1eb=sum(alg1eb)
/ eng9ea=sum(eng9ea)
/ eng9eb=sum(eng9eb)
/ geoea =sum(geoea)
/ geoeb=sum(geoeb)
/ eng10ea=sum(eng10ea)
/ eng10eb=sum(eng10eb)
/ alg2ea=sum(alg2ea)
/ alg2eb=sum(alg2eb)
/ chm11ea=sum(chm11ea)
/ chm11eb=sum(chm11eb).

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**** After Aggregate****.

**** Verifying that students met Benchmarks for both Semesters****.

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if (alg1a ge 1 and alg1b ge 1) alg1=1.
if (eng10a ge 1 and eng10b ge 1) eng10 =1.
if (alg2a ge 1 and alg2b ge 1) alg2 =1.
if (chm12a ge 1 and chm12b ge 1) chm12=1.
if (phys12a ge 1 and phys12b ge 1) phys12=1.
if (eng9a ge 1 and eng9b ge 1) eng9 =1.
if (geoa ge 1 and geob ge 1) geo =1.
if (chm11a ge 1 and chm11b ge 1) chm11=1.

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if (alg1ca ge 1 and alg1cb ge 1) alg1c=1.
if (eng10ca ge 1 and eng10cb ge 1) eng10c =1.
if (alg2ca ge 1 and alg2cb ge 1) alg2c =1.
if (chm12ca ge 1 and chm12cb ge 1) chm12c=1.
if (phys12ca ge 1 and phys12cb ge 1) phys12c=1.
if (eng9ca ge 1 and eng9cb ge 1) eng9c =1.
if (geoca ge 1 and geocb ge 1) geoc =1.
if (chm11ca ge 1 and chm11cb ge 1) chm11c=1.
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if (alg1pa ge 1 and alg1pb ge 1) alg1p=1.
if (eng10pa ge 1 and eng10pb ge 1) eng10p =1.
if (alg2pa ge 1 and alg2pb ge 1) alg2p =1.
if (chm12pa ge 1 and chm12pb ge 1) chm12p=1.
if (phys12pa ge 1 and phys12pb ge 1) phys12p=1.
if (eng9pa ge 1 and eng9pb ge 1) eng9p =1.
if (geopa ge 1 and geopb ge 1) geop =1.
if (chm11pa ge 1 and chm11pb ge 1) chm11p=1.
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if (alg1ea ge 1 and alg1eb ge 1) alg1e=1.
if (eng10ea ge 1 and eng10eb ge 1) eng10e =1.
if (alg2ea ge 1 and alg2eb ge 1) alg2e =1.
if (chm12ea ge 1 and chm12eb ge 1) chm12e=1.
if (phys12ea ge 1 and phys12eb ge 1) phys12e=1.
if (eng9ea ge 1 and eng9eb ge 1) eng9e =1.
if (geoea ge 1 and geueb ge 1) geoe =1.
if (chm11ea ge 1 and chm11eb ge 1) chm11e=1.
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* Recode System Missing Values to zero

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recode alg1 to chm11e (1=1) (sysmis,0=0).

execute.