*Commands to generate data.

```
SET SEED = 987654321.
INPUT PROGRAM.
LOOP SUBJ = 1 TO 36.
COMP #z1 = NORM(1).
COMP #z2 = #z1*-.7071 + NORM(1)*.7071.
END CASE.
END LOOP.
END FILE.
END INPUT PROGRAM.
COMP abil = RND(100 +  15*#z1).
COMP stdy = RND( 20 +   5*#z2).
COMP hs   = RND(65+10*(#z1*.5 + #z2*.5 + NORM(1)*.7071)).
COMP univ = RND(65+10*(#z1*.5 + #z2*.5 + NORM(1)*.7071)).
```

*Divide into low and high groups.

```
SORT CASES BY abil.
COMPUTE ab2 = TRUNC(($CASENUM-1)/18)+1.
COMPUTE subj = $CASENUM.
FORMAT subj stdy hs univ (F2.0) abil (F3.0) ab2 (F1.0).
```