UPPER CHEEK TEETH

BMDP3D - T-TESTS

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Manual: BMDP Manual Volumes 1, 2, and 3.

Digest: BMDP User's Digest.

IBM PC: BMDP PC Supplement -- Installation and Special Features.

PROGRAM INSTRUCTIONS

/prob title = 'Herr Lauritz Englisch: A3D2.inp \*\*\* Quantitative Studien

zum Schmelzgehalt in Pferdebackenzaehnen.

- 1 Fall = 1 Zahn = 10 Lokalisationen = 10 Zeilen

- Hier: Oberkiefer, Zahn 7 - 10

- Umrechnung der relativen Werte in Prozentwerte

- Berechnung der Flächenanteile ohne aeusseren Zement

- mit Berechnung der Steigung "ST" ueber die Schnittebenen

- Einstichproben-t-Test gegen H0: ST = 0

\*\*\*'.

/inp var = 276.

file = a.

format = '32f10,9(/50x,27f10), /20x,1f10'. ## Mit Abstandsangabe für die Ebene

/var names = zahnid,zp,qu,znr,za,

for lo = 0 to 9.% ## Lokalisation

for va = lok,statu,ps,pz,isd,izd,ism,izm,idz,id,ges,sges,dz\_sb,i\_zb,

inf,ps\_rel,s\_rel,pz\_r,isd\_r,izd\_r,ism\_r,izm\_r,idz\_r,

id\_r,sges\_r,i\_zb\_r,inf\_r.%

|va||lo|,%%

abst99. ## Mit Abstandsangabe für die Ebene 99

use = zp,qu,znr,za,

for va = lok,statu,ps,pz,isd,izd,ism,izm,idz,id,ges,sges,dz\_sb,i\_zb,

inf,ps\_rel,s\_rel,pz\_r,isd\_r,izd\_r,ism\_r,izm\_r,idz\_r,

id\_r,sges\_r,i\_zb\_r,inf\_r,dges.%

for lo = 0 to 9.% ## Lokalisation

|va||lo|,%%

for va = ps,pz,isd,izd,ism,izm,idz,id,ges,sges,dz\_sb,i\_zb,

inf,ps\_rel,s\_rel,pz\_r,isd\_r,izd\_r,ism\_r,izm\_r,idz\_r,

id\_r,sges\_r,i\_zb\_r,inf\_r,dges.%

ST|va|,%

for va = ps,id,isd,ism,sges,inf.%

ST|va|r2,%

.

/trans use = ((znr ge 7) AND (znr le 10)).

lok9 = abst99. ## Abstandsangabe für die Ebene 99

# Umrechnung der relativen Werte in Prozentwerte

for va = ps\_rel,s\_rel,pz\_r,isd\_r,izd\_r,ism\_r,izm\_r,idz\_r,

id\_r,sges\_r,i\_zb\_r,inf\_r.%

for lo = 0 to 9.%

|va||lo| = |va||lo| \* 100.%%

# Berechnung der Flächenanteile ohne aeusseren Zement

for va = ps,id,isd,ism,sges,inf.%

for lo = 0 to 9.%

|va|\_r2|lo| = |va||lo|/(ges|lo|-pz|lo|) \* 100.%%

# Berechnung der Gesamtflaeche abzüglich peripherem Zement

for lo = 0 to 9.%

dges|lo| = ges|lo|-pz|lo|.%

# Berechnung der Steigung "ST" ueber die Schnittebenen

for va = ps,pz,isd,izd,ism,izm,idz,id,ges,sges,dz\_sb,i\_zb,

inf,ps\_rel,s\_rel,pz\_r,isd\_r,izd\_r,ism\_r,izm\_r,idz\_r,

id\_r,sges\_r,i\_zb\_r,inf\_r,dges.%

ST|va| = b(for lo = 0 to 9.% lok|lo|,|va||lo|,%).

%

for va = ps,id,isd,ism,sges,inf.%

ST|va|r2 = b(for lo = 0 to 9.% lok|lo|,|va|\_r2|lo|,%).

%

/onegroup

var = for va = ps,pz,isd,izd,ism,izm,idz,id,ges,sges,dz\_sb,i\_zb,

inf,ps\_rel,s\_rel,pz\_r,isd\_r,izd\_r,ism\_r,izm\_r,idz\_r,

id\_r,sges\_r,i\_zb\_r,inf\_r,dges.%

ST|va|,%

for va = ps,id,isd,ism,sges,inf.%

ST|va|r2,%.

/print level = min.

case = 0.

/end

--- PROGRAM INSTRUCTIONS AFTER "FOR %" EXPANSION ---

/prob title = 'Herr Lauritz Englisch: A3D2.inp \*\*\* Quantitative Studien zum

Schmelzgehalt in Pferdebackenzaehnen.

- 1 Fall = 1 Zahn = 10 Lokalisationen =

10 Zeilen - Hier: Oberkiefer,

Zahn 7 - 10 - Umrechnung der relativen Werte in Prozentwerte -

Berechnung der Flächenanteile ohne aeusseren Zement - mit Berechnung

der Steigung "ST" ueber die Schnittebenen - Einstichproben-t-Test

gegen H0: ST = 0 \*\*\*'.

/inp var = 276. file = a. format = '32f10,9(/50x,27f10),

/20x,1f10'.

/var names = zahnid,zp,qu,znr,za, lok0, statu0, ps0, pz0, isd0, izd0, ism0,

izm0, idz0, id0, ges0, sges0, dz\_sb0, i\_zb0, inf0, ps\_rel0, s\_rel0,

pz\_r0, isd\_r0, izd\_r0, ism\_r0, izm\_r0, idz\_r0, id\_r0, sges\_r0,

i\_zb\_r0, inf\_r0, lok1, statu1, ps1, pz1, isd1, izd1, ism1, izm1,

idz1, id1, ges1, sges1, dz\_sb1, i\_zb1, inf1, ps\_rel1, s\_rel1, pz\_r1,

isd\_r1, izd\_r1, ism\_r1, izm\_r1, idz\_r1, id\_r1, sges\_r1, i\_zb\_r1,

inf\_r1, lok2, statu2, ps2, pz2, isd2, izd2, ism2, izm2, idz2, id2,

ges2, sges2, dz\_sb2, i\_zb2, inf2, ps\_rel2, s\_rel2, pz\_r2, isd\_r2,

izd\_r2, ism\_r2, izm\_r2, idz\_r2, id\_r2, sges\_r2, i\_zb\_r2, inf\_r2,

lok3, statu3, ps3, pz3, isd3, izd3, ism3, izm3, idz3, id3, ges3,

sges3, dz\_sb3, i\_zb3, inf3, ps\_rel3, s\_rel3, pz\_r3, isd\_r3, izd\_r3,

ism\_r3, izm\_r3, idz\_r3, id\_r3, sges\_r3, i\_zb\_r3, inf\_r3, lok4,

statu4, ps4, pz4, isd4, izd4, ism4, izm4, idz4, id4, ges4, sges4,

dz\_sb4, i\_zb4, inf4, ps\_rel4, s\_rel4, pz\_r4, isd\_r4, izd\_r4, ism\_r4,

izm\_r4, idz\_r4, id\_r4, sges\_r4, i\_zb\_r4, inf\_r4, lok5, statu5,

ps5, pz5, isd5, izd5, ism5, izm5, idz5, id5, ges5, sges5, dz\_sb5,

i\_zb5, inf5, ps\_rel5, s\_rel5, pz\_r5, isd\_r5, izd\_r5, ism\_r5, izm\_r5,

idz\_r5, id\_r5, sges\_r5, i\_zb\_r5, inf\_r5, lok6, statu6, ps6, pz6,

isd6, izd6, ism6, izm6, idz6, id6, ges6, sges6, dz\_sb6, i\_zb6, inf6,

ps\_rel6, s\_rel6, pz\_r6, isd\_r6, izd\_r6, ism\_r6, izm\_r6, idz\_r6,

id\_r6, sges\_r6, i\_zb\_r6, inf\_r6, lok7, statu7, ps7, pz7, isd7,

izd7, ism7, izm7, idz7, id7, ges7, sges7, dz\_sb7, i\_zb7, inf7,

ps\_rel7, s\_rel7, pz\_r7, isd\_r7, izd\_r7, ism\_r7, izm\_r7, idz\_r7,

id\_r7, sges\_r7, i\_zb\_r7, inf\_r7, lok8, statu8, ps8, pz8, isd8,

izd8, ism8, izm8, idz8, id8, ges8, sges8, dz\_sb8, i\_zb8, inf8,

ps\_rel8, s\_rel8, pz\_r8, isd\_r8, izd\_r8, ism\_r8, izm\_r8, idz\_r8,

id\_r8, sges\_r8, i\_zb\_r8, inf\_r8, lok9, statu9, ps9, pz9, isd9,

izd9, ism9, izm9, idz9, id9, ges9, sges9, dz\_sb9, i\_zb9, inf9,

ps\_rel9, s\_rel9, pz\_r9, isd\_r9, izd\_r9, ism\_r9, izm\_r9, idz\_r9,

id\_r9, sges\_r9, i\_zb\_r9, inf\_r9, abst99.

use = zp,qu,znr,za, lok0, lok1, lok2, lok3, lok4, lok5, lok6,

lok7, lok8, lok9, statu0, statu1, statu2, statu3, statu4,

statu5, statu6, statu7, statu8, statu9, ps0, ps1, ps2,

ps3, ps4, ps5, ps6, ps7, ps8, ps9, pz0, pz1, pz2, pz3,

pz4, pz5, pz6, pz7, pz8, pz9, isd0, isd1, isd2, isd3,

isd4, isd5, isd6, isd7, isd8, isd9, izd0, izd1, izd2,

izd3, izd4, izd5, izd6, izd7, izd8, izd9, ism0, ism1,

ism2, ism3, ism4, ism5, ism6, ism7, ism8, ism9, izm0,

izm1, izm2, izm3, izm4, izm5, izm6, izm7, izm8, izm9,

idz0, idz1, idz2, idz3, idz4, idz5, idz6, idz7, idz8,

idz9, id0, id1, id2, id3, id4, id5, id6, id7, id8, id9,

ges0, ges1, ges2, ges3, ges4, ges5, ges6, ges7, ges8,

ges9, sges0, sges1, sges2, sges3, sges4, sges5, sges6,

sges7, sges8, sges9, dz\_sb0, dz\_sb1, dz\_sb2, dz\_sb3,

dz\_sb4, dz\_sb5, dz\_sb6, dz\_sb7, dz\_sb8, dz\_sb9, i\_zb0,

i\_zb1, i\_zb2, i\_zb3, i\_zb4, i\_zb5, i\_zb6, i\_zb7, i\_zb8,

i\_zb9, inf0, inf1, inf2, inf3, inf4, inf5, inf6, inf7,

inf8, inf9, ps\_rel0, ps\_rel1, ps\_rel2, ps\_rel3, ps\_rel4,

ps\_rel5, ps\_rel6, ps\_rel7, ps\_rel8, ps\_rel9, s\_rel0, s\_rel1,

s\_rel2, s\_rel3, s\_rel4, s\_rel5, s\_rel6, s\_rel7, s\_rel8,

s\_rel9, pz\_r0, pz\_r1, pz\_r2, pz\_r3, pz\_r4, pz\_r5, pz\_r6,

pz\_r7, pz\_r8, pz\_r9, isd\_r0, isd\_r1, isd\_r2, isd\_r3,

isd\_r4, isd\_r5, isd\_r6, isd\_r7, isd\_r8, isd\_r9, izd\_r0,

izd\_r1, izd\_r2, izd\_r3, izd\_r4, izd\_r5, izd\_r6, izd\_r7,

izd\_r8, izd\_r9, ism\_r0, ism\_r1, ism\_r2, ism\_r3, ism\_r4,

ism\_r5, ism\_r6, ism\_r7, ism\_r8, ism\_r9, izm\_r0, izm\_r1,

izm\_r2, izm\_r3, izm\_r4, izm\_r5, izm\_r6, izm\_r7, izm\_r8,

izm\_r9, idz\_r0, idz\_r1, idz\_r2, idz\_r3, idz\_r4, idz\_r5,

idz\_r6, idz\_r7, idz\_r8, idz\_r9, id\_r0, id\_r1, id\_r2, id\_r3,

id\_r4, id\_r5, id\_r6, id\_r7, id\_r8, id\_r9, sges\_r0, sges\_r1,

sges\_r2, sges\_r3, sges\_r4, sges\_r5, sges\_r6, sges\_r7,

sges\_r8, sges\_r9, i\_zb\_r0, i\_zb\_r1, i\_zb\_r2, i\_zb\_r3,

i\_zb\_r4, i\_zb\_r5, i\_zb\_r6, i\_zb\_r7, i\_zb\_r8, i\_zb\_r9,

inf\_r0, inf\_r1, inf\_r2, inf\_r3, inf\_r4, inf\_r5, inf\_r6,

inf\_r7, inf\_r8, inf\_r9, dges0, dges1, dges2, dges3, dges4,

dges5, dges6, dges7, dges8, dges9, STps, STpz, STisd, STizd,

STism, STizm, STidz, STid, STges, STsges, STdz\_sb, STi\_zb, STinf,

STps\_rel, STs\_rel, STpz\_r, STisd\_r, STizd\_r, STism\_r, STizm\_r,

STidz\_r, STid\_r, STsges\_r, STi\_zb\_r, STinf\_r, STdges, STpsr2,

STidr2, STisdr2, STismr2, STsgesr2, STinfr2 .

/trans use = ((znr ge 7) AND (znr le 10)). lok9 = abst99.

ps\_rel0 = ps\_rel0 \* 100. ps\_rel1 = ps\_rel1 \* 100.

ps\_rel2 = ps\_rel2 \* 100. ps\_rel3 = ps\_rel3 \* 100.

ps\_rel4 = ps\_rel4 \* 100. ps\_rel5 = ps\_rel5 \* 100.

ps\_rel6 = ps\_rel6 \* 100. ps\_rel7 = ps\_rel7 \* 100.

ps\_rel8 = ps\_rel8 \* 100. ps\_rel9 = ps\_rel9 \* 100. s\_rel0 = s\_rel0 \* 100.

s\_rel1 = s\_rel1 \* 100. s\_rel2 = s\_rel2 \* 100. s\_rel3 = s\_rel3 \* 100.

s\_rel4 = s\_rel4 \* 100. s\_rel5 = s\_rel5 \* 100. s\_rel6 = s\_rel6 \* 100.

s\_rel7 = s\_rel7 \* 100. s\_rel8 = s\_rel8 \* 100. s\_rel9 = s\_rel9 \* 100.

pz\_r0 = pz\_r0 \* 100. pz\_r1 = pz\_r1 \* 100. pz\_r2 = pz\_r2 \* 100.

pz\_r3 = pz\_r3 \* 100. pz\_r4 = pz\_r4 \* 100. pz\_r5 = pz\_r5 \* 100.

pz\_r6 = pz\_r6 \* 100. pz\_r7 = pz\_r7 \* 100. pz\_r8 = pz\_r8 \* 100.

pz\_r9 = pz\_r9 \* 100. isd\_r0 = isd\_r0 \* 100. isd\_r1 = isd\_r1 \* 100.

isd\_r2 = isd\_r2 \* 100. isd\_r3 = isd\_r3 \* 100. isd\_r4 = isd\_r4 \* 100.

isd\_r5 = isd\_r5 \* 100. isd\_r6 = isd\_r6 \* 100. isd\_r7 = isd\_r7 \* 100.

isd\_r8 = isd\_r8 \* 100. isd\_r9 = isd\_r9 \* 100. izd\_r0 = izd\_r0 \* 100.

izd\_r1 = izd\_r1 \* 100. izd\_r2 = izd\_r2 \* 100. izd\_r3 = izd\_r3 \* 100.

izd\_r4 = izd\_r4 \* 100. izd\_r5 = izd\_r5 \* 100. izd\_r6 = izd\_r6 \* 100.

izd\_r7 = izd\_r7 \* 100. izd\_r8 = izd\_r8 \* 100. izd\_r9 = izd\_r9 \* 100.

ism\_r0 = ism\_r0 \* 100. ism\_r1 = ism\_r1 \* 100. ism\_r2 = ism\_r2 \* 100.

ism\_r3 = ism\_r3 \* 100. ism\_r4 = ism\_r4 \* 100. ism\_r5 = ism\_r5 \* 100.

ism\_r6 = ism\_r6 \* 100. ism\_r7 = ism\_r7 \* 100. ism\_r8 = ism\_r8 \* 100.

ism\_r9 = ism\_r9 \* 100. izm\_r0 = izm\_r0 \* 100. izm\_r1 = izm\_r1 \* 100.

izm\_r2 = izm\_r2 \* 100. izm\_r3 = izm\_r3 \* 100. izm\_r4 = izm\_r4 \* 100.

izm\_r5 = izm\_r5 \* 100. izm\_r6 = izm\_r6 \* 100. izm\_r7 = izm\_r7 \* 100.

izm\_r8 = izm\_r8 \* 100. izm\_r9 = izm\_r9 \* 100. idz\_r0 = idz\_r0 \* 100.

idz\_r1 = idz\_r1 \* 100. idz\_r2 = idz\_r2 \* 100. idz\_r3 = idz\_r3 \* 100.

idz\_r4 = idz\_r4 \* 100. idz\_r5 = idz\_r5 \* 100. idz\_r6 = idz\_r6 \* 100.

idz\_r7 = idz\_r7 \* 100. idz\_r8 = idz\_r8 \* 100. idz\_r9 = idz\_r9 \* 100.

id\_r0 = id\_r0 \* 100. id\_r1 = id\_r1 \* 100. id\_r2 = id\_r2 \* 100.

id\_r3 = id\_r3 \* 100. id\_r4 = id\_r4 \* 100. id\_r5 = id\_r5 \* 100.

id\_r6 = id\_r6 \* 100. id\_r7 = id\_r7 \* 100. id\_r8 = id\_r8 \* 100.

id\_r9 = id\_r9 \* 100. sges\_r0 = sges\_r0 \* 100. sges\_r1 = sges\_r1 \* 100.

sges\_r2 = sges\_r2 \* 100. sges\_r3 = sges\_r3 \* 100.

sges\_r4 = sges\_r4 \* 100. sges\_r5 = sges\_r5 \* 100.

sges\_r6 = sges\_r6 \* 100. sges\_r7 = sges\_r7 \* 100.

sges\_r8 = sges\_r8 \* 100. sges\_r9 = sges\_r9 \* 100.

i\_zb\_r0 = i\_zb\_r0 \* 100. i\_zb\_r1 = i\_zb\_r1 \* 100.

i\_zb\_r2 = i\_zb\_r2 \* 100. i\_zb\_r3 = i\_zb\_r3 \* 100.

i\_zb\_r4 = i\_zb\_r4 \* 100. i\_zb\_r5 = i\_zb\_r5 \* 100.

i\_zb\_r6 = i\_zb\_r6 \* 100. i\_zb\_r7 = i\_zb\_r7 \* 100.

i\_zb\_r8 = i\_zb\_r8 \* 100. i\_zb\_r9 = i\_zb\_r9 \* 100. inf\_r0 = inf\_r0 \* 100.

inf\_r1 = inf\_r1 \* 100. inf\_r2 = inf\_r2 \* 100. inf\_r3 = inf\_r3 \* 100.

inf\_r4 = inf\_r4 \* 100. inf\_r5 = inf\_r5 \* 100. inf\_r6 = inf\_r6 \* 100.

inf\_r7 = inf\_r7 \* 100. inf\_r8 = inf\_r8 \* 100. inf\_r9 = inf\_r9 \* 100.

ps\_r20 = ps0/(ges0-pz0) \* 100. ps\_r21 = ps1/(ges1-pz1) \* 100.

ps\_r22 = ps2/(ges2-pz2) \* 100. ps\_r23 = ps3/(ges3-pz3) \* 100.

ps\_r24 = ps4/(ges4-pz4) \* 100. ps\_r25 = ps5/(ges5-pz5) \* 100.

ps\_r26 = ps6/(ges6-pz6) \* 100. ps\_r27 = ps7/(ges7-pz7) \* 100.

ps\_r28 = ps8/(ges8-pz8) \* 100. ps\_r29 = ps9/(ges9-pz9) \* 100.

id\_r20 = id0/(ges0-pz0) \* 100. id\_r21 = id1/(ges1-pz1) \* 100.

id\_r22 = id2/(ges2-pz2) \* 100. id\_r23 = id3/(ges3-pz3) \* 100.

id\_r24 = id4/(ges4-pz4) \* 100. id\_r25 = id5/(ges5-pz5) \* 100.

id\_r26 = id6/(ges6-pz6) \* 100. id\_r27 = id7/(ges7-pz7) \* 100.

id\_r28 = id8/(ges8-pz8) \* 100. id\_r29 = id9/(ges9-pz9) \* 100.

isd\_r20 = isd0/(ges0-pz0) \* 100. isd\_r21 = isd1/(ges1-pz1) \* 100.

isd\_r22 = isd2/(ges2-pz2) \* 100. isd\_r23 = isd3/(ges3-pz3) \* 100.

isd\_r24 = isd4/(ges4-pz4) \* 100. isd\_r25 = isd5/(ges5-pz5) \* 100.

isd\_r26 = isd6/(ges6-pz6) \* 100. isd\_r27 = isd7/(ges7-pz7) \* 100.

isd\_r28 = isd8/(ges8-pz8) \* 100. isd\_r29 = isd9/(ges9-pz9) \* 100.

ism\_r20 = ism0/(ges0-pz0) \* 100. ism\_r21 = ism1/(ges1-pz1) \* 100.

ism\_r22 = ism2/(ges2-pz2) \* 100. ism\_r23 = ism3/(ges3-pz3) \* 100.

ism\_r24 = ism4/(ges4-pz4) \* 100. ism\_r25 = ism5/(ges5-pz5) \* 100.

ism\_r26 = ism6/(ges6-pz6) \* 100. ism\_r27 = ism7/(ges7-pz7) \* 100.

ism\_r28 = ism8/(ges8-pz8) \* 100. ism\_r29 = ism9/(ges9-pz9) \* 100.

sges\_r20 = sges0/(ges0-pz0) \* 100. sges\_r21 = sges1/(ges1-pz1) \* 100.

sges\_r22 = sges2/(ges2-pz2) \* 100. sges\_r23 = sges3/(ges3-pz3) \* 100.

sges\_r24 = sges4/(ges4-pz4) \* 100. sges\_r25 = sges5/(ges5-pz5) \* 100.

sges\_r26 = sges6/(ges6-pz6) \* 100. sges\_r27 = sges7/(ges7-pz7) \* 100.

sges\_r28 = sges8/(ges8-pz8) \* 100. sges\_r29 = sges9/(ges9-pz9) \* 100.

inf\_r20 = inf0/(ges0-pz0) \* 100. inf\_r21 = inf1/(ges1-pz1) \* 100.

inf\_r22 = inf2/(ges2-pz2) \* 100. inf\_r23 = inf3/(ges3-pz3) \* 100.

inf\_r24 = inf4/(ges4-pz4) \* 100. inf\_r25 = inf5/(ges5-pz5) \* 100.

inf\_r26 = inf6/(ges6-pz6) \* 100. inf\_r27 = inf7/(ges7-pz7) \* 100.

inf\_r28 = inf8/(ges8-pz8) \* 100. inf\_r29 = inf9/(ges9-pz9) \* 100.

dges0 = ges0-pz0. dges1 = ges1-pz1. dges2 = ges2-pz2. dges3 = ges3-pz3.

dges4 = ges4-pz4. dges5 = ges5-pz5. dges6 = ges6-pz6. dges7 = ges7-pz7.

dges8 = ges8-pz8. dges9 = ges9-pz9.

STps = b( lok0,ps0, lok1,ps1, lok2,ps2, lok3,ps3, lok4,ps4, lok5,ps5,

lok6,ps6, lok7,ps7, lok8,ps8, lok9,ps9).

STpz = b( lok0,pz0, lok1,pz1, lok2,pz2, lok3,pz3, lok4,pz4, lok5,pz5,

lok6,pz6, lok7,pz7, lok8,pz8, lok9,pz9).

STisd = b( lok0,isd0, lok1,isd1, lok2,isd2, lok3,isd3, lok4,isd4, lok5,

isd5, lok6,isd6, lok7,isd7, lok8,isd8, lok9,isd9).

STizd = b( lok0,izd0, lok1,izd1, lok2,izd2, lok3,izd3, lok4,izd4, lok5,

izd5, lok6,izd6, lok7,izd7, lok8,izd8, lok9,izd9).

STism = b( lok0,ism0, lok1,ism1, lok2,ism2, lok3,ism3, lok4,ism4, lok5,

ism5, lok6,ism6, lok7,ism7, lok8,ism8, lok9,ism9).

STizm = b( lok0,izm0, lok1,izm1, lok2,izm2, lok3,izm3, lok4,izm4, lok5,

izm5, lok6,izm6, lok7,izm7, lok8,izm8, lok9,izm9).

STidz = b( lok0,idz0, lok1,idz1, lok2,idz2, lok3,idz3, lok4,idz4, lok5,

idz5, lok6,idz6, lok7,idz7, lok8,idz8, lok9,idz9).

STid = b( lok0,id0, lok1,id1, lok2,id2, lok3,id3, lok4,id4, lok5,id5,

lok6,id6, lok7,id7, lok8,id8, lok9,id9).

STges = b( lok0,ges0, lok1,ges1, lok2,ges2, lok3,ges3, lok4,ges4, lok5,

ges5, lok6,ges6, lok7,ges7, lok8,ges8, lok9,ges9).

STsges = b( lok0,sges0, lok1,sges1, lok2,sges2, lok3,sges3, lok4,sges4,

lok5,sges5, lok6,sges6, lok7,sges7, lok8,sges8, lok9,sges9).

STdz\_sb = b( lok0,dz\_sb0, lok1,dz\_sb1, lok2,dz\_sb2, lok3,dz\_sb3, lok4,

dz\_sb4, lok5,dz\_sb5, lok6,dz\_sb6, lok7,dz\_sb7, lok8,dz\_sb8, lok9,

dz\_sb9). STi\_zb = b( lok0,i\_zb0, lok1,i\_zb1, lok2,i\_zb2, lok3,i\_zb3,

lok4,i\_zb4, lok5,i\_zb5, lok6,i\_zb6, lok7,i\_zb7, lok8,i\_zb8, lok9,

i\_zb9). STinf = b( lok0,inf0, lok1,inf1, lok2,inf2, lok3,inf3, lok4,

inf4, lok5,inf5, lok6,inf6, lok7,inf7, lok8,inf8, lok9,inf9).

STps\_rel = b( lok0,ps\_rel0, lok1,ps\_rel1, lok2,ps\_rel2, lok3,ps\_rel3,

lok4,ps\_rel4, lok5,ps\_rel5, lok6,ps\_rel6, lok7,ps\_rel7, lok8,

ps\_rel8, lok9,ps\_rel9).

STs\_rel = b( lok0,s\_rel0, lok1,s\_rel1, lok2,s\_rel2, lok3,s\_rel3, lok4,

s\_rel4, lok5,s\_rel5, lok6,s\_rel6, lok7,s\_rel7, lok8,s\_rel8, lok9,

s\_rel9). STpz\_r = b( lok0,pz\_r0, lok1,pz\_r1, lok2,pz\_r2, lok3,pz\_r3,

lok4,pz\_r4, lok5,pz\_r5, lok6,pz\_r6, lok7,pz\_r7, lok8,pz\_r8, lok9,

pz\_r9). STisd\_r = b( lok0,isd\_r0, lok1,isd\_r1, lok2,isd\_r2, lok3,

isd\_r3, lok4,isd\_r4, lok5,isd\_r5, lok6,isd\_r6, lok7,isd\_r7, lok8,

isd\_r8, lok9,isd\_r9).

STizd\_r = b( lok0,izd\_r0, lok1,izd\_r1, lok2,izd\_r2, lok3,izd\_r3, lok4,

izd\_r4, lok5,izd\_r5, lok6,izd\_r6, lok7,izd\_r7, lok8,izd\_r8, lok9,

izd\_r9). STism\_r = b( lok0,ism\_r0, lok1,ism\_r1, lok2,ism\_r2, lok3,

ism\_r3, lok4,ism\_r4, lok5,ism\_r5, lok6,ism\_r6, lok7,ism\_r7, lok8,

ism\_r8, lok9,ism\_r9).

STizm\_r = b( lok0,izm\_r0, lok1,izm\_r1, lok2,izm\_r2, lok3,izm\_r3, lok4,

izm\_r4, lok5,izm\_r5, lok6,izm\_r6, lok7,izm\_r7, lok8,izm\_r8, lok9,

izm\_r9). STidz\_r = b( lok0,idz\_r0, lok1,idz\_r1, lok2,idz\_r2, lok3,

idz\_r3, lok4,idz\_r4, lok5,idz\_r5, lok6,idz\_r6, lok7,idz\_r7, lok8,

idz\_r8, lok9,idz\_r9).

STid\_r = b( lok0,id\_r0, lok1,id\_r1, lok2,id\_r2, lok3,id\_r3, lok4,id\_r4,

lok5,id\_r5, lok6,id\_r6, lok7,id\_r7, lok8,id\_r8, lok9,id\_r9).

STsges\_r = b( lok0,sges\_r0, lok1,sges\_r1, lok2,sges\_r2, lok3,sges\_r3,

lok4,sges\_r4, lok5,sges\_r5, lok6,sges\_r6, lok7,sges\_r7, lok8,

sges\_r8, lok9,sges\_r9).

STi\_zb\_r = b( lok0,i\_zb\_r0, lok1,i\_zb\_r1, lok2,i\_zb\_r2, lok3,i\_zb\_r3,

lok4,i\_zb\_r4, lok5,i\_zb\_r5, lok6,i\_zb\_r6, lok7,i\_zb\_r7, lok8,

i\_zb\_r8, lok9,i\_zb\_r9).

STinf\_r = b( lok0,inf\_r0, lok1,inf\_r1, lok2,inf\_r2, lok3,inf\_r3, lok4,

inf\_r4, lok5,inf\_r5, lok6,inf\_r6, lok7,inf\_r7, lok8,inf\_r8, lok9,

inf\_r9). STdges = b( lok0,dges0, lok1,dges1, lok2,dges2, lok3,dges3,

lok4,dges4, lok5,dges5, lok6,dges6, lok7,dges7, lok8,dges8, lok9,

dges9). STpsr2 = b( lok0,ps\_r20, lok1,ps\_r21, lok2,ps\_r22, lok3,

ps\_r23, lok4,ps\_r24, lok5,ps\_r25, lok6,ps\_r26, lok7,ps\_r27, lok8,

ps\_r28, lok9,ps\_r29).

STidr2 = b( lok0,id\_r20, lok1,id\_r21, lok2,id\_r22, lok3,id\_r23, lok4,

id\_r24, lok5,id\_r25, lok6,id\_r26, lok7,id\_r27, lok8,id\_r28, lok9,

id\_r29). STisdr2 = b( lok0,isd\_r20, lok1,isd\_r21, lok2,isd\_r22,

lok3,isd\_r23, lok4,isd\_r24, lok5,isd\_r25, lok6,isd\_r26, lok7,

isd\_r27, lok8,isd\_r28, lok9,isd\_r29).

STismr2 = b( lok0,ism\_r20, lok1,ism\_r21, lok2,ism\_r22, lok3,ism\_r23,

lok4,ism\_r24, lok5,ism\_r25, lok6,ism\_r26, lok7,ism\_r27, lok8,

ism\_r28, lok9,ism\_r29).

STsgesr2 = b( lok0,sges\_r20, lok1,sges\_r21, lok2,sges\_r22, lok3,sges\_r23,

lok4,sges\_r24, lok5,sges\_r25, lok6,sges\_r26, lok7,sges\_r27, lok8,

sges\_r28, lok9,sges\_r29).

STinfr2 = b( lok0,inf\_r20, lok1,inf\_r21, lok2,inf\_r22, lok3,inf\_r23,

lok4,inf\_r24, lok5,inf\_r25, lok6,inf\_r26, lok7,inf\_r27, lok8,

inf\_r28, lok9,inf\_r29).

/onegroup var = STps, STpz, STisd, STizd, STism, STizm, STidz, STid, STges,

STsges, STdz\_sb, STi\_zb, STinf, STps\_rel, STs\_rel, STpz\_r, STisd\_r,

STizd\_r, STism\_r, STizm\_r, STidz\_r, STid\_r, STsges\_r, STi\_zb\_r,

STinf\_r, STdges, STpsr2, STidr2, STisdr2, STismr2, STsgesr2,

STinfr2.

/print level = min. case = 0.

/end/

NUMBER OF CASES READ. . . . . . . . . . . . . . 28

CASES WITH USE SET TO ZERO . . . . . . . . . 8

REMAINING NUMBER OF CASES . . . . . . . . 20

DESCRIPTIVE STATISTICS OF DATA

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VARIABLE TOTAL STANDARD ST.ERR COEFF S M A L L E S T L A R G E S T

NO. NAME FREQ. MEAN DEV. OF MEAN OF VAR VALUE Z-SCR CASE VALUE Z-SCR CASE RANGE

2 zp 20 148.50 50.380 11.265 .33926 107.00 -0.82 6 210.00 1.22 2 103.00

3 qu 20 1.4000 .50262 .11239 .35902 1.0000 -0.80 1 2.0000 1.19 2 1.0000

4 znr 20 8.5000 1.1471 .25649 .13495 7.0000 -1.31 6 10.000 1.31 2 3.0000

5 za 20 10.525 5.7181 1.2786 .54329 1.0000 -1.67 4 20.000 1.66 1 19.000

6 lok0 20 0.0000 0.0000 0.0000 0.0000 1 0.0000 1 0.0000

33 lok1 20 10.000 0.0000 0.0000 0.0000 10.000 1 10.000 1 0.0000

60 lok2 20 20.000 0.0000 0.0000 0.0000 20.000 1 20.000 1 0.0000

87 lok3 20 30.000 0.0000 0.0000 0.0000 30.000 1 30.000 1 0.0000

114 lok4 20 40.000 0.0000 0.0000 0.0000 40.000 1 40.000 1 0.0000

141 lok5 20 50.000 0.0000 0.0000 0.0000 50.000 1 50.000 1 0.0000

168 lok6 20 60.000 0.0000 0.0000 0.0000 60.000 1 60.000 1 0.0000

195 lok7 20 70.000 0.0000 0.0000 0.0000 70.000 1 70.000 1 0.0000

222 lok8 20 80.000 0.0000 0.0000 0.0000 80.000 1 80.000 1 0.0000

249 lok9 20 38.955 13.905 3.1093 .35696 21.910 -1.23 16 62.490 1.69 5 40.580

7 statu0 20 1.0000 0.0000 0.0000 0.0000 1.0000 1 1.0000 1 0.0000

34 statu1 20 1.3500 .48936 .10942 .36249 1.0000 -0.72 3 2.0000 1.33 1 1.0000

61 statu2 20 1.9500 .94451 .21120 .48437 1.0000 -1.01 4 3.0000 1.11 1 2.0000

88 statu3 20 2.2000 .95145 .21275 .43248 1.0000 -1.26 4 3.0000 0.84 1 2.0000

115 statu4 20 2.5500 .75915 .16975 .29771 1.0000 -2.04 4 3.0000 0.59 1 2.0000

142 statu5 20 2.8500 .48936 .10942 .17171 1.0000 -3.78 5 3.0000 0.31 1 2.0000

169 statu6 20 3.0000 0.0000 0.0000 0.0000 3.0000 1 3.0000 1 0.0000

196 statu7 20 3.0000 0.0000 0.0000 0.0000 3.0000 1 3.0000 1 0.0000

223 statu8 20 3.0000 0.0000 0.0000 0.0000 3.0000 1 3.0000 1 0.0000

250 statu9 20 3.0000 0.0000 0.0000 0.0000 3.0000 1 3.0000 1 0.0000

8 ps0 19 91.440 19.876 4.5600 .21737 61.020 -1.53 2 126.63 1.77 10 65.610

35 ps1 19 109.67 17.667 4.0530 .16108 80.020 -1.68 28 140.16 1.73 10 60.140

62 ps2 19 105.02 14.384 3.2999 .13697 81.630 -1.63 28 130.06 1.74 9 48.430

89 ps3 9 107.33 14.584 4.8612 .13588 88.040 -1.32 7 139.81 2.23 9 51.770

116 ps4 9 104.03 13.034 4.3446 .12528 86.670 -1.33 11 125.62 1.66 9 38.950

143 ps5 5 99.996 6.7903 3.0367 .06791 93.090 -1.02 19 109.45 1.39 4 16.360

170 ps6 2 110.14 1.1950 .84500 .01085 109.29 -0.71 5 110.98 0.71 18 1.6900

197 ps7 0

224 ps8 0

251 ps9 20 100.38 14.910 3.3340 .14853 72.580 -1.86 28 123.85 1.57 9 51.270

9 pz0 19 27.856 12.064 2.7676 .43307 10.680 -1.42 5 57.830 2.48 10 47.150

36 pz1 19 76.448 40.825 9.3659 .53402 30.350 -1.13 18 165.71 2.19 10 135.36

63 pz2 19 104.01 59.192 13.580 .56912 33.970 -1.18 18 201.47 1.65 10 167.50

90 pz3 9 62.862 29.859 9.9528 .47498 36.950 -0.87 19 133.22 2.36 11 96.270

117 pz4 9 107.63 49.818 16.606 .46284 43.970 -1.28 18 180.19 1.46 7 136.22

144 pz5 5 133.81 61.615 27.555 .46047 67.240 -1.08 18 206.04 1.17 25 138.80

171 pz6 2 144.55 8.2095 5.8050 .05679 138.75 -0.71 18 150.36 0.71 5 11.610

198 pz7 0

225 pz8 0

252 pz9 20 143.61 33.160 7.4148 .23090 58.230 -2.57 8 185.52 1.26 17 127.29

10 isd0 2 17.975 11.646 8.2350 .64790 9.7400 -0.71 10 26.210 0.71 25 16.470

37 isd1 19 19.391 5.5500 1.2732 .28621 9.0600 -1.86 3 28.860 1.71 9 19.800

64 isd2 19 23.437 4.1787 .95867 .17830 16.330 -1.70 27 30.330 1.65 9 14.000

91 isd3 9 26.367 4.5894 1.5298 .17406 20.620 -1.25 5 34.060 1.68 9 13.440

118 isd4 9 25.148 5.3570 1.7857 .21302 18.380 -1.26 5 32.790 1.43 6 14.410

145 isd5 5 25.024 4.2302 1.8918 .16904 22.010 -0.71 5 32.170 1.69 25 10.160

172 isd6 2 27.405 1.0394 .73500 .03793 26.670 -0.71 5 28.140 0.71 18 1.4700

199 isd7 0

226 isd8 0

253 isd9 20 25.475 5.8267 1.3029 .22873 12.740 -2.19 8 38.880 2.30 9 26.140

11 izd0 2 17.375 8.6479 6.1150 .49772 11.260 -0.71 10 23.490 0.71 25 12.230

38 izd1 18 32.674 11.566 2.7262 .35398 18.500 -1.23 27 57.470 2.14 5 38.970

65 izd2 18 39.324 11.196 2.6390 .28472 27.020 -1.10 8 67.690 2.53 4 40.670

92 izd3 9 45.081 7.1701 2.3900 .15905 35.300 -1.36 11 56.420 1.58 5 21.120

119 izd4 9 48.486 8.0586 2.6862 .16621 36.650 -1.47 11 60.170 1.45 5 23.520

146 izd5 5 51.936 7.3663 3.2943 .14183 42.930 -1.22 18 60.070 1.10 5 17.140

173 izd6 2 55.440 12.756 9.0200 .23009 46.420 -0.71 18 64.460 0.71 5 18.040

200 izd7 0

227 izd8 0

254 izd9 19 43.121 11.548 2.6492 .26779 18.890 -2.10 8 67.430 2.11 5 48.540

12 ism0 2 25.075 9.9207 7.0150 .39564 18.060 -0.71 10 32.090 0.71 25 14.030

39 ism1 16 19.428 7.0617 1.7654 .36348 7.0200 -1.76 22 30.200 1.53 25 23.180

66 ism2 18 23.761 5.7375 1.3524 .24147 12.340 -1.99 3 35.950 2.12 9 23.610

93 ism3 9 27.048 5.4905 1.8302 .20299 19.820 -1.32 4 35.990 1.63 25 16.170

120 ism4 9 28.280 5.1347 1.7116 .18157 22.980 -1.03 5 37.670 1.83 9 14.690

147 ism5 5 29.516 3.9994 1.7886 .13550 25.220 -1.07 5 36.090 1.64 25 10.870

174 ism6 2 28.525 2.0577 1.4550 .07214 27.070 -0.71 5 29.980 0.71 18 2.9100

201 ism7 0

228 ism8 0

255 ism9 19 27.346 6.9131 1.5860 .25280 8.1300 -2.78 8 35.520 1.18 6 27.390

13 izm0 2 29.445 14.545 10.285 .49398 19.160 -0.71 10 39.730 0.71 25 20.570

40 izm1 16 34.914 16.757 4.1892 .47994 11.600 -1.39 11 70.430 2.12 18 58.830

67 izm2 17 42.056 15.164 3.6778 .36056 24.110 -1.18 8 87.670 3.01 5 63.560

94 izm3 9 47.191 13.019 4.3396 .27588 30.040 -1.32 11 77.700 2.34 5 47.660

121 izm4 9 50.382 9.9108 3.3036 .19671 34.730 -1.58 11 65.400 1.52 5 30.670

148 izm5 5 53.678 9.5213 4.2580 .17738 44.420 -0.97 19 67.150 1.41 5 22.730

175 izm6 2 67.620 17.706 12.520 .26184 55.100 -0.71 18 80.140 0.71 5 25.040

202 izm7 0

229 izm8 0

256 izm9 19 45.087 15.460 3.5468 .34290 10.740 -2.22 8 79.630 2.23 5 68.890

14 idz0 16 408.09 64.338 16.085 .15766 268.83 -2.16 27 532.84 1.94 1 264.01

41 idz1 3 428.54 64.107 37.012 .14959 374.97 -0.84 19 499.57 1.11 1 124.60

68 idz2 2 419.08 62.282 44.040 .14862 375.04 -0.71 3 463.12 0.71 1 88.080

95 idz3 0

122 idz4 0

149 idz5 0

176 idz6 0

203 idz7 0

230 idz8 0

257 idz9 1 464.16 0.0000 0.0000 0.0000 464.16 1 464.16 1 0.0000

15 id0 3 371.88 34.456 19.893 .09265 332.15 -1.15 8 393.62 0.63 25 61.470

42 id1 15 307.15 42.389 10.945 .13801 217.86 -2.11 27 361.91 1.29 25 144.05

69 id2 16 296.72 37.677 9.4194 .12698 221.12 -2.01 27 347.10 1.34 10 125.98

96 id3 9 306.56 37.375 12.458 .12192 236.68 -1.87 11 352.81 1.24 9 116.13

123 id4 9 311.45 42.988 14.329 .13803 237.23 -1.73 11 376.13 1.50 9 138.90

150 id5 5 318.26 31.445 14.063 .09880 281.96 -1.15 18 347.51 0.93 5 65.550

177 id6 2 302.71 45.806 32.390 .15132 270.32 -0.71 18 335.10 0.71 5 64.780

204 id7 0

231 id8 0

258 id9 18 303.18 42.772 10.082 .14108 219.02 -1.97 27 381.43 1.83 9 162.41

16 ges0 19 531.13 84.211 19.319 .15855 364.46 -1.98 27 698.46 1.99 1 334.00

43 ges1 19 592.38 112.61 25.835 .19010 256.10 -2.99 28 769.83 1.58 10 513.73

70 ges2 19 623.84 108.77 24.953 .17435 310.19 -2.88 28 816.44 1.77 10 506.25

97 ges3 9 622.43 50.465 16.822 .08108 558.93 -1.26 18 713.23 1.80 9 154.30

124 ges4 9 675.41 95.434 31.811 .14130 557.10 -1.24 18 820.81 1.52 9 263.71

151 ges5 5 712.23 82.969 37.105 .11649 585.75 -1.52 18 811.21 1.19 25 225.46

178 ges6 2 736.38 80.186 56.700 .10889 679.68 -0.71 18 793.08 0.71 5 113.40

205 ges7 0

232 ges8 0

259 ges9 20 675.32 134.03 29.971 .19848 274.95 -2.99 28 837.13 1.21 9 562.18

17 sges0 19 95.972 30.246 6.9388 .31515 61.020 -1.16 2 180.76 2.80 25 119.74

44 sges1 19 145.43 26.976 6.1887 .18550 104.59 -1.51 28 191.73 1.72 10 87.140

71 sges2 19 150.97 22.395 5.1377 .14834 116.70 -1.53 28 196.33 2.03 9 79.630

98 sges3 9 160.74 22.288 7.4294 .13866 136.65 -1.08 5 204.78 1.98 9 68.130

125 sges4 9 157.46 21.960 7.3200 .13946 136.68 -0.95 5 195.15 1.72 9 58.470

152 sges5 5 154.54 12.362 5.5286 .08000 143.28 -0.91 5 172.88 1.48 25 29.600

179 sges6 2 166.07 4.2921 3.0350 .02585 163.03 -0.71 5 169.10 0.71 18 6.0700

206 sges7 0

233 sges8 0

260 sges9 20 151.84 24.166 5.4036 .15916 109.22 -1.76 8 197.56 1.89 9 88.340

18 dz\_sb0 19 411.84 66.938 15.357 .16254 268.83 -2.14 27 532.84 1.81 1 264.01

45 dz\_sb1 19 406.26 102.02 23.406 .25113 64.550 -3.35 28 509.58 1.01 1 445.03

72 dz\_sb2 19 414.81 95.007 21.796 .22904 90.360 -3.42 28 498.70 0.88 25 408.34

99 dz\_sb3 9 452.24 53.317 17.772 .11789 351.08 -1.90 11 510.37 1.09 9 159.29

126 dz\_sb4 9 463.74 60.647 20.216 .13078 358.62 -1.73 11 539.28 1.25 9 180.66

153 dz\_sb5 5 478.42 47.633 21.302 .09956 421.74 -1.19 18 521.97 0.91 5 100.23

180 dz\_sb6 2 481.70 73.178 51.745 .15192 429.95 -0.71 18 533.44 0.71 5 103.49

207 dz\_sb7 0

234 dz\_sb8 0

261 dz\_sb9 20 431.32 99.738 22.302 .23124 105.38 -3.27 28 558.56 1.28 9 453.18

19 i\_zb0 6 15.607 26.309 10.740 1.6857 0.0000 -0.59 16 63.220 1.81 25 63.220

46 i\_zb1 18 63.708 25.984 6.1245 .40786 20.620 -1.66 3 115.16 1.98 18 94.540

73 i\_zb2 18 79.044 27.321 6.4396 .34564 27.670 -1.88 3 150.00 2.60 5 122.33

100 i\_zb3 9 92.272 19.559 6.5196 .21197 65.340 -1.38 11 134.12 2.14 5 68.780

127 i\_zb4 9 98.867 17.898 5.9659 .18103 71.380 -1.54 11 125.57 1.49 5 54.190

154 i\_zb5 5 105.61 16.684 7.4611 .15797 88.320 -1.04 18 127.22 1.30 5 38.900

181 i\_zb6 2 123.06 30.462 21.540 .24754 101.52 -0.71 18 144.60 0.71 5 43.080

208 i\_zb7 0

235 i\_zb8 0

262 i\_zb9 19 88.209 26.547 6.0904 .30096 29.630 -2.21 8 147.06 2.22 5 117.43

20 inf0 7 25.679 47.510 17.957 1.8502 0.0000 -0.54 16 121.53 2.02 25 121.53

47 inf1 19 96.108 40.188 9.2197 .41815 10.010 -2.14 1 166.57 1.75 18 156.56

74 inf2 19 120.83 38.757 8.8915 .32075 18.340 -2.64 1 192.82 1.86 5 174.48

101 inf3 9 145.69 19.430 6.4767 .13337 114.40 -1.61 11 177.40 1.63 5 63.000

128 inf4 9 152.30 20.014 6.6714 .13142 121.40 -1.54 11 173.17 1.04 6 51.770

155 inf5 5 160.16 17.008 7.6064 .10620 139.78 -1.20 18 174.63 0.85 25 34.850

182 inf6 2 178.99 27.372 19.355 .15293 159.63 -0.71 18 198.34 0.71 5 38.710

209 inf7 0

236 inf8 0

263 inf9 20 135.25 44.370 9.9213 .32805 20.340 -2.59 1 203.33 1.53 5 182.99

21 ps\_rel0 18 17.235 2.3821 .56147 .13821 11.363 -2.47 2 20.457 1.35 9 9.0941

48 ps\_rel1 19 18.911 3.2957 .75608 .17427 15.228 -1.12 26 31.246 3.74 28 16.017

75 ps\_rel2 19 17.173 2.8624 .65668 .16668 14.413 -0.96 3 26.316 3.19 28 11.903

102 ps\_rel3 9 17.250 1.8453 .61512 .10698 14.672 -1.40 7 19.603 1.28 9 4.9309

129 ps\_rel4 9 15.552 2.0834 .69445 .13396 12.433 -1.50 7 19.228 1.76 18 6.7956

156 ps\_rel5 5 14.153 1.4748 .65956 .10421 12.897 -0.85 25 16.521 1.61 18 3.6242

183 ps\_rel6 2 15.054 1.8020 1.2742 .11970 13.780 -0.71 5 16.328 0.71 18 2.5484

210 ps\_rel7 0

237 ps\_rel8 0

264 ps\_rel9 20 15.291 2.9558 .66094 .19331 12.785 -0.85 6 26.398 3.76 28 13.613

22 s\_rel0 18 22.366 3.9169 .92322 .17513 13.500 -2.26 2 28.261 1.51 10 14.762

49 s\_rel1 19 31.444 22.554 5.1743 .71730 20.629 -0.48 4 123.97 4.10 28 103.34

76 s\_rel2 19 28.192 15.316 3.5137 .54327 19.147 -0.59 5 90.339 4.06 28 71.191

103 s\_rel3 9 23.933 3.5218 1.1739 .14715 19.073 -1.38 5 29.790 1.66 11 10.716

130 s\_rel4 9 22.596 2.6601 .88670 .11772 19.078 -1.32 5 26.384 1.42 18 7.3056

157 s\_rel5 5 21.002 1.6496 .73773 .07855 18.401 -1.58 5 22.946 1.18 18 4.5451

184 s\_rel6 2 23.149 3.7655 2.6626 .16266 20.487 -0.71 5 25.812 0.71 18 5.3252

211 s\_rel7 0

238 s\_rel8 0

265 s\_rel9 20 25.135 10.496 2.3469 .41757 19.720 -0.52 6 68.875 4.17 28 49.155

23 pz\_r0 18 5.1635 2.0452 .48205 .39608 1.8497 -1.62 5 9.2853 2.02 26 7.4356

50 pz\_r1 19 13.779 9.3213 2.1384 .67648 4.8429 -0.96 25 43.549 3.19 28 38.707

77 pz\_r2 19 17.055 10.365 2.3778 .60773 5.3265 -1.13 9 44.553 2.65 28 39.227

104 pz\_r3 9 10.176 5.1604 1.7201 .50713 6.5927 -0.69 19 22.622 2.41 11 16.029

131 pz\_r4 9 15.560 6.2185 2.0728 .39964 7.8924 -1.23 18 25.340 1.57 7 17.448

158 pz\_r5 5 18.340 7.1584 3.2013 .39031 11.479 -0.96 18 26.208 1.10 19 14.729

185 pz\_r6 2 19.686 1.0292 .72779 .05228 18.958 -0.71 5 20.414 0.71 18 1.4556

212 pz\_r7 0

239 pz\_r8 0

266 pz\_r9 20 21.576 4.5885 1.0260 .21267 12.054 -2.08 8 35.276 2.99 28 23.222

24 isd\_r0 2 2.7414 1.7001 1.2022 .62017 1.5393 -0.71 10 3.9436 0.71 25 2.4044

51 isd\_r1 19 3.3935 1.0730 .24616 .31620 1.3463 -1.91 1 5.5994 2.06 28 4.2530

78 isd\_r2 19 3.8459 .82103 .18836 .21348 2.4771 -1.67 1 5.8996 2.50 28 3.4225

105 isd\_r3 9 4.2309 .58326 .19442 .13786 3.2526 -1.68 5 4.7995 0.97 6 1.5469

132 isd\_r4 9 3.7211 .54329 .18110 .14600 2.7823 -1.73 5 4.2655 1.00 19 1.4832

159 isd\_r5 5 3.5156 .39930 .17857 .11358 3.0639 -1.13 4 3.9658 1.13 25 .90189

186 isd\_r6 2 3.7518 .54929 .38841 .14641 3.3633 -0.71 5 4.1402 0.71 18 .77681

213 isd\_r7 0

240 isd\_r8 0

267 isd\_r9 20 3.8701 1.0192 .22790 .26335 2.6377 -1.21 8 7.4486 3.51 28 4.8110

25 izd\_r0 2 2.6574 1.2400 .87681 .46663 1.7806 -0.71 10 3.5342 0.71 25 1.7536

52 izd\_r1 18 5.6955 1.9160 .45162 .33641 3.2422 -1.28 10 9.1092 1.78 5 5.8670

79 izd\_r2 18 6.5196 1.9324 .45547 .29640 3.8515 -1.38 3 10.720 2.17 4 6.8688

106 izd\_r3 9 7.2446 1.0117 .33725 .13965 5.9946 -1.24 11 8.8987 1.63 5 2.9041

133 izd\_r4 9 7.2095 .99035 .33012 .13737 5.6950 -1.53 9 9.1072 1.92 5 3.4121

160 izd\_r5 5 7.3131 .86338 .38611 .11806 6.4226 -1.03 19 8.5835 1.47 5 2.1609

187 izd\_r6 2 7.4791 .91792 .64907 .12273 6.8300 -0.71 18 8.1282 0.71 5 1.2981

214 izd\_r7 0

241 izd\_r8 0

268 izd\_r9 19 6.5553 1.7683 .40566 .26974 3.9113 -1.50 8 11.999 3.08 28 8.0873

26 ism\_r0 2 3.8416 1.3949 .98636 .36311 2.8553 -0.71 10 4.8280 0.71 25 1.9727

53 ism\_r1 16 3.3451 .93142 .23286 .27845 1.2011 -2.30 22 4.5147 1.26 25 3.3136

80 ism\_r2 18 3.9205 .91366 .21535 .23304 1.7175 -2.41 3 5.4562 1.68 9 3.7387

107 ism\_r3 9 4.3414 .76784 .25595 .17687 3.1345 -1.57 4 5.4828 1.49 25 2.3484

134 ism\_r4 9 4.1975 .54331 .18110 .12943 3.4784 -1.32 5 4.9788 1.44 18 1.5003

161 ism\_r5 5 4.1668 .54467 .24358 .13072 3.6038 -1.03 5 4.9716 1.48 18 1.3678

188 ism\_r6 2 3.9118 .70489 .49844 .18020 3.4134 -0.71 5 4.4102 0.71 18 .99687

215 ism\_r7 0

242 ism\_r8 0

269 ism\_r9 19 4.1423 1.0894 .24992 .26300 1.6828 -2.26 8 7.4123 3.00 28 5.7295

27 izm\_r0 2 4.5030 2.0852 1.4744 .46306 3.0285 -0.71 10 5.9774 0.71 25 2.9488

54 izm\_r1 16 6.0086 2.5302 .63255 .42110 2.3230 -1.46 11 11.848 2.31 18 9.5254

81 izm\_r2 17 6.9379 2.2802 .55302 .32865 4.4626 -1.09 8 13.901 3.05 5 9.4386

108 izm\_r3 9 7.5686 1.9458 .64859 .25709 5.1005 -1.27 11 12.255 2.41 5 7.1546

135 izm\_r4 9 7.4888 1.3050 .43499 .17426 5.7122 -1.36 9 9.8979 1.85 5 4.1857

162 izm\_r5 5 7.5774 1.3348 .59693 .17615 6.2366 -1.00 19 9.5951 1.51 5 3.3585

189 izm\_r6 2 9.1053 1.4130 .99912 .15518 8.1062 -0.71 18 10.104 0.71 5 1.9982

216 izm\_r7 0

243 izm\_r8 0

270 izm\_r9 19 6.7762 2.1116 .48444 .31162 2.2229 -2.16 8 11.468 2.22 28 9.2447

28 idz\_r0 16 78.036 3.3612 .84029 .04307 72.178 -1.74 16 84.171 1.83 2 11.993

55 idz\_r1 3 65.544 1.4224 .82120 .02170 64.583 -0.68 19 67.178 1.15 1 2.5950

82 idz\_r2 2 57.385 7.3266 5.1807 .12768 52.204 -0.71 3 62.566 0.71 1 10.361

109 idz\_r3 0

136 idz\_r4 0

163 idz\_r5 0

190 idz\_r6 0

217 idz\_r7 0

244 idz\_r8 0

271 idz\_r9 1 62.200 0.0000 0.0000 0.0000 62.200 1 62.200 1 0.0000

29 id\_r0 3 65.682 9.1836 5.3021 .13982 59.216 -0.70 25 76.193 1.14 8 16.977

56 id\_r1 15 51.040 3.7470 .96747 .07341 44.829 -1.66 16 56.947 1.58 4 12.119

83 id\_r2 16 47.248 4.6451 1.1613 .09831 40.087 -1.54 22 53.826 1.42 19 13.738

110 id\_r3 9 49.189 3.7591 1.2530 .07642 40.192 -2.39 11 53.226 1.07 4 13.034

137 id\_r4 9 46.270 3.9831 1.3277 .08608 40.315 -1.50 7 51.445 1.30 4 11.130

164 id\_r5 5 44.934 4.3640 1.9516 .09712 40.178 -1.09 25 49.654 1.08 5 9.4761

191 id\_r6 2 41.012 1.7545 1.2406 .04278 39.771 -0.71 18 42.253 0.71 5 2.4812

218 id\_r7 0

245 id\_r8 0

272 id\_r9 17 43.703 4.5509 1.1037 .10413 38.699 -1.10 7 59.202 3.41 8 20.503

30 sges\_r0 19 17.900 3.5740 .81993 .19967 11.363 -1.83 2 27.194 2.60 25 15.832

57 sges\_r1 19 25.122 4.9465 1.1348 .19690 17.917 -1.46 1 40.840 3.18 28 22.923

84 sges\_r2 19 24.733 4.4974 1.0318 .18184 17.579 -1.59 1 37.622 2.87 28 20.043

111 sges\_r3 9 25.822 2.7339 .91131 .10588 21.553 -1.56 5 28.878 1.12 18 7.3256

138 sges\_r4 9 23.471 2.7650 .92166 .11780 19.345 -1.49 7 28.044 1.65 18 8.6991

165 sges\_r5 5 21.835 1.9877 .88893 .09103 20.473 -0.69 5 25.306 1.75 18 4.8330

192 sges\_r6 2 22.718 3.0561 2.1610 .13453 20.557 -0.71 5 24.879 0.71 18 4.3220

219 sges\_r7 0

246 sges\_r8 0

273 sges\_r9 20 23.096 4.5919 1.0268 .19882 17.310 -1.26 1 41.258 3.96 28 23.948

31 i\_zb\_r0 3 4.7735 4.7559 2.7458 .99630 0.0000 -1.00 28 9.5116 1.00 25 9.5116

58 i\_zb\_r1 18 11.036 4.0861 .96310 .37023 3.2543 -1.90 3 19.373 2.04 18 16.119

85 i\_zb\_r2 18 13.072 4.4220 1.0423 .33828 3.8515 -2.09 3 23.785 2.42 5 19.934

112 i\_zb\_r3 9 14.813 2.8507 .95024 .19245 11.095 -1.30 11 21.154 2.22 5 10.059

139 i\_zb\_r4 9 14.698 2.2853 .76176 .15548 11.407 -1.44 9 19.005 1.88 5 7.5978

166 i\_zb\_r5 5 14.890 2.1952 .98173 .14742 12.659 -1.02 19 18.179 1.50 5 5.5194

193 i\_zb\_r6 2 16.584 2.3309 1.6482 .14055 14.936 -0.71 18 18.233 0.71 5 3.2964

220 i\_zb\_r7 0

247 i\_zb\_r8 0

274 i\_zb\_r9 19 13.331 3.7776 .86663 .28336 6.1341 -1.91 8 23.466 2.68 28 17.332

32 inf\_r0 3 9.1622 9.1416 5.2779 .99775 0.0000 -1.00 28 18.283 1.00 25 18.283

59 inf\_r1 19 16.666 6.5257 1.4971 .39156 1.3463 -2.35 1 28.023 1.74 18 26.676

86 inf\_r2 19 19.944 6.5318 1.4985 .32751 2.4771 -2.67 1 30.575 1.63 5 28.098

113 inf\_r3 9 23.386 2.3177 .77257 .09911 19.426 -1.71 11 27.979 1.98 5 8.5533

140 inf\_r4 9 22.617 1.5852 .52839 .07009 19.878 -1.73 9 25.266 1.67 5 5.3881

167 inf\_r5 5 22.573 1.8701 .83632 .08285 20.200 -1.27 19 24.928 1.26 5 4.7284

194 inf\_r6 2 24.248 1.0767 .76135 .04440 23.487 -0.71 18 25.009 0.71 5 1.5227

221 inf\_r7 0

248 inf\_r8 0

275 inf\_r9 20 20.470 6.7460 1.5085 .32955 2.7257 -2.63 1 38.327 2.65 28 35.601

337 dges0 19 503.28 80.411 18.448 .15978 339.24 -2.04 27 649.47 1.82 1 310.23

338 dges1 19 515.93 115.56 26.511 .22398 144.57 -3.21 28 636.55 1.04 25 491.98

339 dges2 19 519.83 104.45 23.963 .20093 171.99 -3.33 28 623.73 0.99 9 451.74

340 dges3 9 559.57 60.374 20.125 .10789 455.66 -1.72 11 650.19 1.50 9 194.53

341 dges4 9 567.77 69.301 23.100 .12206 445.29 -1.77 11 664.91 1.40 9 219.62

342 dges5 5 578.42 52.007 23.258 .08991 518.51 -1.15 18 624.82 0.89 4 106.31

343 dges6 2 591.83 71.976 50.895 .12162 540.93 -0.71 18 642.72 0.71 5 101.79

344 dges7 0

345 dges8 0

346 dges9 20 531.71 111.96 25.036 .21058 177.96 -3.16 28 682.40 1.35 9 504.44

347 STps 20 .10244 .44074 .09855 4.3023 -.72635 -1.88 16 .94844 1.92 3 1.6748

348 STpz 20 3.5175 1.5044 .33639 .42769 1.1825 -1.55 8 6.1917 1.78 17 5.0092

349 STisd 20 .24767 .29963 .06700 1.2098 -.36397 -2.04 8 .85278 2.02 1 1.2168

350 STizd 19 .41392 .47767 .10959 1.1540 -.72621 -2.39 22 1.1859 1.62 10 1.9121

351 STism 19 .31048 .36442 .08360 1.1737 -.40273 -1.96 8 1.2963 2.71 3 1.6990

352 STizm 18 .44786 .50214 .11836 1.1212 -.45150 -1.79 8 1.6454 2.38 22 2.0969

353 STidz 3 -3.8165 .56340 .32528 -.14762 -4.3950 -1.03 19 -3.2695 0.97 1 1.1255

354 STid 17 -.43881 1.0030 .24327 -2.2858 -2.6450 -2.20 22 1.4015 1.83 9 4.0465

355 STges 20 3.9876 2.7644 .61814 .69326 -4.2186 -2.97 28 7.5714 1.30 17 11.790

356 STsges 20 1.2304 .77398 .17307 .62903 -.28135 -1.95 25 2.7688 1.99 3 3.0502

357 STdz\_sb 20 .36759 2.0736 .46367 5.6411 -6.9899 -3.55 28 2.4539 1.01 9 9.4438

358 STi\_zb 19 1.2475 1.0851 .24893 .86980 -.71585 -1.81 8 3.2989 1.89 22 4.0147

359 STinf 20 2.0636 1.7793 .39786 .86223 -1.4825 -1.99 8 5.1589 1.74 16 6.6414

360 STps\_rel 20 -.08023 .11444 .02559 -1.4265 -.28924 -1.83 16 .26502 3.02 28 .55426

361 STs\_rel 20 .04039 .31892 .07131 7.8965 -.27108 -0.98 16 1.2871 3.91 28 1.5582

362 STpz\_r 20 .48786 .21698 .04852 .44477 .23418 -1.17 5 .99384 2.33 28 .75966

363 STisd\_r 20 .02146 .04762 .01065 2.2192 -.04506 -1.40 8 .11447 1.95 1 .15954

364 STizd\_r 19 .03995 .08885 .02038 2.2239 -.18255 -2.50 22 .20404 1.85 28 .38659

365 STism\_r 19 .03412 .06733 .01545 1.9731 -.05901 -1.38 8 .19337 2.37 28 .25239

366 STizm\_r 18 .04332 .08869 .02090 2.0471 -.06623 -1.24 9 .23450 2.16 28 .30072

367 STidz\_r 3 -1.1389 .46445 .26815 -.40782 -1.5502 -0.89 3 -.63518 1.08 1 .91502

368 STid\_r 17 -.36461 .21140 .05127 -.57982 -.86967 -2.39 22 -.03916 1.54 16 .83051

369 STsges\_r 20 .09107 .19685 .04402 2.1616 -.23723 -1.67 6 .77115 3.45 28 1.0084

370 STi\_zb\_r 19 .11567 .20403 .04681 1.7638 -.08151 -0.97 8 .79413 3.33 28 .87563

371 STinf\_r 20 .17689 .31973 .07149 1.8075 -.18558 -1.13 8 1.3003 3.51 28 1.4858

372 STdges 20 .47005 2.1068 .47110 4.4822 -6.9082 -3.50 28 2.5680 1.00 9 9.4762

373 STpsr2 20 .02583 .17782 .03976 6.8854 -.17178 -1.11 16 .69706 3.77 28 .86884

374 STidr2 17 -.16024 .17480 .04239 -1.0909 -.45418 -1.68 10 .16972 1.89 16 .62390

375 STisdr2 20 .04122 .05515 .01233 1.3379 -.07829 -2.17 8 .15309 2.03 1 .23138

376 STismr2 19 .06007 .08277 .01899 1.3778 -.08885 -1.80 8 .25253 2.33 28 .34138

377 STsgesr2 20 .26166 .32271 .07216 1.2333 -.07710 -1.05 6 1.4956 3.82 28 1.5727

378 STinfr2 20 .43071 .51130 .11433 1.1871 -.31938 -1.47 8 2.0505 3.17 28 2.3699

NUMBER OF CASES READ. . . . . . . . . . . . . . 28

CASES WITH USE SET TO ZERO . . . . . . . . . 8

REMAINING NUMBER OF CASES . . . . . . . . 20

STps VAR. 347 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN 0.1024 1-SAMPLE T 1.04 0.3116 19

H STD DEV 0.4407

HH S.E.M. 0.0986

H H HH H SAMPLE SIZE 20

H HHH HHHHH HH H MAXIMUM 0.9484

M--------------------M MINIMUM -0.7263

I AN H= 1 CASES A Z MAX 1.92

N (N= 20) X Z MIN -1.88

CASE (MAX) 3

CASE (MIN) 16

STpz VAR. 348 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN 3.5175 1-SAMPLE T 10.46 0.0000 19

STD DEV 1.5044

H H S.E.M. 0.3364

H HH H SAMPLE SIZE 20

HHHHHHHHH HHH HH MAXIMUM 6.1917

M--------------------M MINIMUM 1.1825

I AN H= 1 CASES A Z MAX 1.78

N (N= 20) X Z MIN -1.55

CASE (MAX) 17

CASE (MIN) 8

STid VAR. 354 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN -0.4388 1-SAMPLE T -1.80 0.0901 16

STD DEV 1.0030

H S.E.M. 0.2433

H H H SAMPLE SIZE 17

H HHHHHHHHHHH H MAXIMUM 1.4015

M--------------------M MINIMUM -2.6450

I AN H= 1 CASES A Z MAX 1.83

N (N= 17) X Z MIN -2.20

CASE (MAX) 9

CASE (MIN) 22

STges VAR. 355 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN 3.9876 1-SAMPLE T 6.45 0.0000 19

H

H STD DEV 2.7644

H H S.E.M. 0.6181

HHH HHHH SAMPLE SIZE 20

H HHH HHHHH MAXIMUM 7.5714

M--------------------M MINIMUM -4.2186

I AN H= 1 CASES A Z MAX 1.30

N (N= 20) X Z MIN -2.97

CASE (MAX) 17

CASE (MIN) 28

STsges VAR. 356 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN 1.2304 1-SAMPLE T 7.11 0.0000 19

STD DEV 0.7740

H HH S.E.M. 0.1731

H HH H SAMPLE SIZE 20

HH HHHHHHHH HHH MAXIMUM 2.7688

M--------------------M MINIMUM -0.2813

I AN H= 1 CASES A Z MAX 1.99

N (N= 20) X Z MIN -1.95

CASE (MAX) 3

CASE (MIN) 25

STinf VAR. 359 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

H MEAN 2.0636 1-SAMPLE T 5.19 0.0001 19

H

H STD DEV 1.7793

H H S.E.M. 0.3979

H H H H H SAMPLE SIZE 20

H H H HHH H HHH MAXIMUM 5.1589

M--------------------M MINIMUM -1.4825

I AN H= 1 CASES A Z MAX 1.74

N (N= 20) X Z MIN -1.99

CASE (MAX) 16

CASE (MIN) 8

STpsr2 VAR. 373 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN 0.0258 1-SAMPLE T 0.65 0.5238 19

H STD DEV 0.1778

H S.E.M. 0.0398

HH SAMPLE SIZE 20

HHHHHHH H MAXIMUM 0.6971

M--------------------M MINIMUM -0.1718

I AN H= 2 CASES A Z MAX 3.77

N (N= 20) X Z MIN -1.11

CASE (MAX) 28

CASE (MIN) 16

STidr2 VAR. 374 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN -0.1602 1-SAMPLE T -3.78 0.0016 16

H STD DEV 0.1748

H S.E.M. 0.0424

H H HH H SAMPLE SIZE 17

HH H H HHHH H H MAXIMUM 0.1697

M--------------------M MINIMUM -0.4542

I AN H= 1 CASES A Z MAX 1.89

N (N= 17) X Z MIN -1.68

CASE (MAX) 16

CASE (MIN) 10

STsgesr2 VAR. 377 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN 0.2617 1-SAMPLE T 3.63 0.0018 19

H STD DEV 0.3227

H S.E.M. 0.0722

HH SAMPLE SIZE 20

HHHHHHH H MAXIMUM 1.4956

M--------------------M MINIMUM -0.0771

I AN H= 2 CASES A Z MAX 3.82

N (N= 20) X Z MIN -1.05

CASE (MAX) 28

CASE (MIN) 6

STinfr2 VAR. 378 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN 0.4307 1-SAMPLE T 3.77 0.0013 19

H

H H STD DEV 0.5113

HH H S.E.M. 0.1143

HH H H H SAMPLE SIZE 20

H HHHHHH H H MAXIMUM 2.0505

M--------------------M MINIMUM -0.3194

I AN H= 1 CASES A Z MAX 3.17

N (N= 20) X Z MIN -1.47

CASE (MAX) 28

CASE (MIN) 8

NUMBER OF INTEGER WORDS USED IN PRECEDING SUBPROBLEM 24021

/ FINISH

PROGRAM TERMINATED

LOWER CHEEK TEETH

MDP3D - T-TESTS

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by BMDP Statistical Software, Inc.

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Release: 8.1 (Windows 9x, 2000, Me, Xp) Date: 04/29/16 at 10:36:10

Manual: BMDP Manual Volumes 1, 2, and 3.

Digest: BMDP User's Digest.

IBM PC: BMDP PC Supplement -- Installation and Special Features.

PROGRAM INSTRUCTIONS

/prob title = 'Herr Lauritz Englisch: B3D2.inp \*\*\* Quantitative Studien

zum Schmelzgehalt in Pferdebackenzaehnen.

- 1 Fall = 1 Zahn = 10 Lokalisationen = 10 Zeilen

- Hier: Unterkiefer, Zahn 7 - 10

- Umrechnung der relativen Werte in Prozentwerte

- Berechnung der Flächenanteile ohne aeusseren Zement

- mit Berechnung der Steigung "ST" ueber die Schnittebenen

- Einstichproben-t-Test gegen H0: ST = 0

\*\*\*'.

/inp var = 87.

file = b.

format = '14f10,8(/50x,9f10), /20x,1f10'. ## Mit Abstandsangabe für die Ebene 9

/var names = zahnid,zp,qu,znr,za,

for lo = 0 to 8.% ## Lokalisation

for va = lok,statu,ps,pz,id,ges,s\_rel,z\_rel,d\_rel.%

|va||lo|,%%

abst99. ## Mit Abstandsangabe für die Ebene 99

use = zp,qu,znr,za,

for va = lok,ps,pz,id,ges,s\_rel,z\_rel,d\_rel,dges.%

for lo = 0 to 8.% ## Lokalisation

|va||lo|,%%

for va = ps,id.%

for lo = 0 to 8.%

|va|\_r2|lo|,%%

for va = ps,pz,id,ges,s\_rel,z\_rel,d\_rel,dges.%

ST|va|,%

for va = ps,id.%

ST|va|r2,%

.

/trans use = ((znr ge 7) AND (znr le 10)).

lok8 = abst99. ## Abstandsangabe für die Ebene 99

# Umrechnung der relativen Werte in Prozentwerte

for va = s\_rel,z\_rel,d\_rel.%

for lo = 0 to 8.%

|va||lo| = |va||lo| \* 100.%%

# Berechnung der Flächenanteile ohne aeusseren Zement

for va = ps,id.%

for lo = 0 to 8.%

|va|\_r2|lo| = |va||lo|/(ges|lo|-pz|lo|) \* 100.%%

# Berechnung der Gesamtflaeche abzüglich peripherem Zement

for lo = 0 to 8.%

dges|lo| = ges|lo|-pz|lo|.%

# Berechnung der Steigung "ST" ueber die Schnittebenen

for va = ps,pz,id,ges,s\_rel,z\_rel,d\_rel,dges.%

ST|va| = b(for lo = 0 to 8.% lok|lo|,|va||lo|,%).

%

for va = ps,id.%

ST|va|r2 = b(for lo = 0 to 8.% lok|lo|,|va|\_r2|lo|,%).

%

/onegroup

var = for va = ps,pz,id,ges,s\_rel,z\_rel,d\_rel,dges.%

ST|va|,%

for va = ps,id.%

ST|va|r2,%.

/print level = min.

case = 0.

/end

--- PROGRAM INSTRUCTIONS AFTER "FOR %" EXPANSION ---

/prob title = 'Herr Lauritz Englisch: B3D2.inp \*\*\* Quantitative Studien zum

Schmelzgehalt in Pferdebackenzaehnen.

- 1 Fall = 1 Zahn = 10 Lokalisationen =

10 Zeilen - Hier: Unterkiefer,

Zahn 7 - 10 - Umrechnung der relativen Werte in Prozentwerte -

Berechnung der Flächenanteile ohne aeusseren Zement - mit Berechnung

der Steigung "ST" ueber die Schnittebenen - Einstichproben-t-Test

gegen H0: ST = 0 \*\*\*'.

/inp var = 87. file = b. format = '14f10,8(/50x,9f10),

/20x,1f10'.

/var names = zahnid,zp,qu,znr,za, lok0, statu0, ps0, pz0, id0, ges0, s\_rel0,

z\_rel0, d\_rel0, lok1, statu1, ps1, pz1, id1, ges1, s\_rel1, z\_rel1,

d\_rel1, lok2, statu2, ps2, pz2, id2, ges2, s\_rel2, z\_rel2, d\_rel2,

lok3, statu3, ps3, pz3, id3, ges3, s\_rel3, z\_rel3, d\_rel3, lok4,

statu4, ps4, pz4, id4, ges4, s\_rel4, z\_rel4, d\_rel4, lok5, statu5,

ps5, pz5, id5, ges5, s\_rel5, z\_rel5, d\_rel5, lok6, statu6, ps6,

pz6, id6, ges6, s\_rel6, z\_rel6, d\_rel6, lok7, statu7, ps7, pz7,

id7, ges7, s\_rel7, z\_rel7, d\_rel7, lok8, statu8, ps8, pz8, id8,

ges8, s\_rel8, z\_rel8, d\_rel8, abst99.

use = zp,qu,znr,za, lok0, lok1, lok2, lok3, lok4, lok5, lok6,

lok7, lok8, ps0, ps1, ps2, ps3, ps4, ps5, ps6, ps7, ps8,

pz0, pz1, pz2, pz3, pz4, pz5, pz6, pz7, pz8, id0, id1,

id2, id3, id4, id5, id6, id7, id8, ges0, ges1, ges2,

ges3, ges4, ges5, ges6, ges7, ges8, s\_rel0, s\_rel1,

s\_rel2, s\_rel3, s\_rel4, s\_rel5, s\_rel6, s\_rel7, s\_rel8,

z\_rel0, z\_rel1, z\_rel2, z\_rel3, z\_rel4, z\_rel5, z\_rel6,

z\_rel7, z\_rel8, d\_rel0, d\_rel1, d\_rel2, d\_rel3, d\_rel4,

d\_rel5, d\_rel6, d\_rel7, d\_rel8, dges0, dges1, dges2, dges3,

dges4, dges5, dges6, dges7, dges8, ps\_r20, ps\_r21, ps\_r22,

ps\_r23, ps\_r24, ps\_r25, ps\_r26, ps\_r27, ps\_r28, id\_r20, id\_r21,

id\_r22, id\_r23, id\_r24, id\_r25, id\_r26, id\_r27, id\_r28, STps, STpz,

STid, STges, STs\_rel, STz\_rel, STd\_rel, STdges, STpsr2, STidr2 .

/trans use = ((znr ge 7) AND (znr le 10)). lok8 = abst99.

s\_rel0 = s\_rel0 \* 100. s\_rel1 = s\_rel1 \* 100. s\_rel2 = s\_rel2 \* 100.

s\_rel3 = s\_rel3 \* 100. s\_rel4 = s\_rel4 \* 100. s\_rel5 = s\_rel5 \* 100.

s\_rel6 = s\_rel6 \* 100. s\_rel7 = s\_rel7 \* 100. s\_rel8 = s\_rel8 \* 100.

z\_rel0 = z\_rel0 \* 100. z\_rel1 = z\_rel1 \* 100. z\_rel2 = z\_rel2 \* 100.

z\_rel3 = z\_rel3 \* 100. z\_rel4 = z\_rel4 \* 100. z\_rel5 = z\_rel5 \* 100.

z\_rel6 = z\_rel6 \* 100. z\_rel7 = z\_rel7 \* 100. z\_rel8 = z\_rel8 \* 100.

d\_rel0 = d\_rel0 \* 100. d\_rel1 = d\_rel1 \* 100. d\_rel2 = d\_rel2 \* 100.

d\_rel3 = d\_rel3 \* 100. d\_rel4 = d\_rel4 \* 100. d\_rel5 = d\_rel5 \* 100.

d\_rel6 = d\_rel6 \* 100. d\_rel7 = d\_rel7 \* 100. d\_rel8 = d\_rel8 \* 100.

ps\_r20 = ps0/(ges0-pz0) \* 100. ps\_r21 = ps1/(ges1-pz1) \* 100.

ps\_r22 = ps2/(ges2-pz2) \* 100. ps\_r23 = ps3/(ges3-pz3) \* 100.

ps\_r24 = ps4/(ges4-pz4) \* 100. ps\_r25 = ps5/(ges5-pz5) \* 100.

ps\_r26 = ps6/(ges6-pz6) \* 100. ps\_r27 = ps7/(ges7-pz7) \* 100.

ps\_r28 = ps8/(ges8-pz8) \* 100. id\_r20 = id0/(ges0-pz0) \* 100.

id\_r21 = id1/(ges1-pz1) \* 100. id\_r22 = id2/(ges2-pz2) \* 100.

id\_r23 = id3/(ges3-pz3) \* 100. id\_r24 = id4/(ges4-pz4) \* 100.

id\_r25 = id5/(ges5-pz5) \* 100. id\_r26 = id6/(ges6-pz6) \* 100.

id\_r27 = id7/(ges7-pz7) \* 100. id\_r28 = id8/(ges8-pz8) \* 100.

dges0 = ges0-pz0. dges1 = ges1-pz1. dges2 = ges2-pz2. dges3 = ges3-pz3.

dges4 = ges4-pz4. dges5 = ges5-pz5. dges6 = ges6-pz6. dges7 = ges7-pz7.

dges8 = ges8-pz8. STps =

b( lok0,ps0, lok1,ps1, lok2,ps2, lok3,ps3, lok4,ps4, lok5,ps5, lok6,

ps6, lok7,ps7, lok8,ps8).

STpz = b( lok0,pz0, lok1,pz1, lok2,pz2, lok3,pz3, lok4,pz4, lok5,pz5,

lok6,pz6, lok7,pz7, lok8,pz8).

STid = b( lok0,id0, lok1,id1, lok2,id2, lok3,id3, lok4,id4, lok5,id5,

lok6,id6, lok7,id7, lok8,id8).

STges = b( lok0,ges0, lok1,ges1, lok2,ges2, lok3,ges3, lok4,ges4, lok5,

ges5, lok6,ges6, lok7,ges7, lok8,ges8).

STs\_rel = b( lok0,s\_rel0, lok1,s\_rel1, lok2,s\_rel2, lok3,s\_rel3, lok4,

s\_rel4, lok5,s\_rel5, lok6,s\_rel6, lok7,s\_rel7, lok8,s\_rel8).

STz\_rel = b( lok0,z\_rel0, lok1,z\_rel1, lok2,z\_rel2, lok3,z\_rel3, lok4,

z\_rel4, lok5,z\_rel5, lok6,z\_rel6, lok7,z\_rel7, lok8,z\_rel8).

STd\_rel = b( lok0,d\_rel0, lok1,d\_rel1, lok2,d\_rel2, lok3,d\_rel3, lok4,

d\_rel4, lok5,d\_rel5, lok6,d\_rel6, lok7,d\_rel7, lok8,d\_rel8).

STdges = b( lok0,dges0, lok1,dges1, lok2,dges2, lok3,dges3, lok4,dges4,

lok5,dges5, lok6,dges6, lok7,dges7, lok8,dges8).

STpsr2 = b( lok0,ps\_r20, lok1,ps\_r21, lok2,ps\_r22, lok3,ps\_r23, lok4,

ps\_r24, lok5,ps\_r25, lok6,ps\_r26, lok7,ps\_r27, lok8,ps\_r28).

STidr2 = b( lok0,id\_r20, lok1,id\_r21, lok2,id\_r22, lok3,id\_r23, lok4,

id\_r24, lok5,id\_r25, lok6,id\_r26, lok7,id\_r27, lok8,id\_r28).

/onegroup var = STps, STpz, STid, STges, STs\_rel, STz\_rel, STd\_rel, STdges,

STpsr2, STidr2.

/print level = min. case = 0.

/end/

NUMBER OF CASES READ. . . . . . . . . . . . . . 26

CASES WITH USE SET TO ZERO . . . . . . . . . 10

REMAINING NUMBER OF CASES . . . . . . . . 16

DESCRIPTIVE STATISTICS OF DATA

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VARIABLE TOTAL STANDARD ST.ERR COEFF S M A L L E S T L A R G E S T

NO. NAME FREQ. MEAN DEV. OF MEAN OF VAR VALUE Z-SCR CASE VALUE Z-SCR CASE RANGE

2 zp 16 376.75 47.885 11.971 .12710 307.00 -1.46 22 410.00 0.69 16 103.00

3 qu 16 3.6875 .47871 .11968 .12982 3.0000 -1.44 13 4.0000 0.65 1 1.0000

4 znr 16 8.0000 1.1547 .28868 .14434 7.0000 -0.87 1 10.000 1.73 16 3.0000

5 za 16 9.9375 5.0986 1.2747 .51307 1.5000 -1.65 20 16.000 1.19 6 14.500

6 lok0 16 0.0000 0.0000 0.0000 0.0000 1 0.0000 1 0.0000

15 lok1 16 10.000 0.0000 0.0000 0.0000 10.000 1 10.000 1 0.0000

24 lok2 16 20.000 0.0000 0.0000 0.0000 20.000 1 20.000 1 0.0000

33 lok3 16 30.000 0.0000 0.0000 0.0000 30.000 1 30.000 1 0.0000

42 lok4 16 40.000 0.0000 0.0000 0.0000 40.000 1 40.000 1 0.0000

51 lok5 16 50.000 0.0000 0.0000 0.0000 50.000 1 50.000 1 0.0000

60 lok6 16 60.000 0.0000 0.0000 0.0000 60.000 1 60.000 1 0.0000

69 lok7 16 70.000 0.0000 0.0000 0.0000 70.000 1 70.000 1 0.0000

78 lok8 16 41.292 19.043 4.7607 .46118 21.570 -1.04 5 75.770 1.81 20 54.200

8 ps0 16 89.754 19.127 4.7819 .21311 62.530 -1.42 24 134.11 2.32 4 71.580

17 ps1 16 120.94 20.451 5.1127 .16910 78.390 -2.08 24 161.60 1.99 4 83.210

26 ps2 16 123.72 22.112 5.5280 .17872 82.190 -1.88 24 156.03 1.46 4 73.840

35 ps3 9 127.59 16.927 5.6424 .13267 104.87 -1.34 15 154.31 1.58 22 49.440

44 ps4 6 128.68 16.916 6.9061 .13146 104.75 -1.41 15 146.52 1.05 22 41.770

53 ps5 5 124.15 12.314 5.5069 .09918 105.90 -1.48 15 139.93 1.28 22 34.030

62 ps6 4 128.48 4.2764 2.1382 .03329 124.47 -0.94 16 133.20 1.10 22 8.7300

71 ps7 1 132.77 0.0000 0.0000 0.0000 132.77 20 132.77 20 0.0000

80 ps8 16 117.98 18.737 4.6842 .15881 81.150 -1.97 25 144.73 1.43 16 63.580

9 pz0 16 50.933 35.626 8.9066 .69947 16.270 -0.97 20 123.60 2.04 4 107.33

18 pz1 16 109.45 64.351 16.088 .58795 32.440 -1.20 16 208.98 1.55 5 176.54

27 pz2 16 159.88 83.986 20.996 .52530 40.650 -1.42 16 292.54 1.58 13 251.89

36 pz3 9 142.12 84.246 28.082 .59277 51.940 -1.07 16 279.64 1.63 4 227.70

45 pz4 5 96.750 35.789 16.006 .36992 55.760 -1.15 16 137.65 1.14 1 81.890

54 pz5 5 162.12 89.864 40.188 .55431 65.850 -1.07 16 267.20 1.17 22 201.35

63 pz6 4 208.12 27.576 13.788 .13250 187.00 -0.77 16 247.63 1.43 15 60.630

72 pz7 1 253.18 0.0000 0.0000 0.0000 253.18 20 253.18 20 0.0000

81 pz8 16 165.91 42.773 10.693 .25781 92.850 -1.71 24 257.61 2.14 13 164.76

10 id0 16 192.71 32.884 8.2211 .17064 108.33 -2.57 24 232.01 1.20 5 123.68

19 id1 16 169.97 30.189 7.5473 .17761 104.42 -2.17 24 229.04 1.96 7 124.62

28 id2 16 170.20 28.516 7.1290 .16755 102.30 -2.38 24 218.55 1.70 4 116.25

37 id3 9 193.51 24.499 8.1665 .12661 156.56 -1.51 2 222.95 1.20 4 66.390

46 id4 6 183.51 27.205 11.106 .14824 152.21 -1.15 16 216.25 1.20 22 64.040

55 id5 5 189.13 31.456 14.067 .16631 150.48 -1.23 16 219.37 0.96 22 68.890

64 id6 4 178.41 32.670 16.335 .18312 147.75 -0.94 15 207.04 0.88 20 59.290

73 id7 1 193.95 0.0000 0.0000 0.0000 193.95 20 193.95 20 0.0000

82 id8 16 172.95 32.968 8.2419 .19062 102.53 -2.14 24 225.12 1.58 7 122.59

11 ges0 16 333.40 61.417 15.354 .18422 209.51 -2.02 24 461.13 2.08 4 251.62

20 ges1 16 400.36 82.318 20.579 .20561 271.44 -1.57 24 519.47 1.45 5 248.03

29 ges2 16 453.80 97.804 24.451 .21552 311.87 -1.45 16 605.64 1.55 4 293.77

38 ges3 9 463.21 105.96 35.321 .22876 332.43 -1.23 16 650.18 1.76 4 317.75

47 ges4 5 417.42 66.830 29.887 .16010 345.03 -1.08 16 493.87 1.14 22 148.84

56 ges5 5 475.41 123.61 55.278 .26000 337.48 -1.12 16 626.51 1.22 22 289.03

65 ges6 4 515.00 35.492 17.746 .06892 464.06 -1.44 16 545.60 0.86 22 81.540

74 ges7 1 579.90 0.0000 0.0000 0.0000 579.90 20 579.90 20 0.0000

83 ges8 16 456.83 82.501 20.625 .18059 281.42 -2.13 24 569.58 1.37 4 288.16

12 s\_rel0 16 27.038 3.4510 .86274 .12764 21.600 -1.58 5 35.500 2.45 22 13.900

21 s\_rel1 16 30.725 4.6540 1.1635 .15147 23.500 -1.55 7 38.700 1.71 16 15.200

30 s\_rel2 16 27.969 5.8900 1.4725 .21059 21.900 -1.03 25 37.700 1.65 15 15.800

39 s\_rel3 9 28.344 5.0683 1.6894 .17881 22.200 -1.21 7 34.800 1.27 16 12.600

48 s\_rel4 5 32.000 4.9031 2.1927 .15322 27.300 -0.96 1 39.700 1.57 16 12.400

57 s\_rel5 5 27.160 5.6487 2.5262 .20798 22.000 -0.91 1 35.900 1.55 16 13.900

66 s\_rel6 4 25.000 1.2247 .61237 .04899 24.100 -0.73 15 26.800 1.47 16 2.7000

75 s\_rel7 1 22.900 0.0000 0.0000 0.0000 22.900 20 22.900 20 0.0000

84 s\_rel8 16 26.131 3.3420 .83550 .12789 21.100 -1.51 13 35.000 2.65 16 13.900

13 z\_rel0 16 14.681 8.4979 2.1245 .57883 4.9000 -1.15 20 27.000 1.45 23 22.100

22 z\_rel1 16 25.912 11.793 2.9481 .45509 10.600 -1.30 16 42.300 1.39 23 31.700

31 z\_rel2 16 33.500 13.764 3.4410 .41086 12.600 -1.52 15 49.900 1.19 13 37.300

40 z\_rel3 9 28.722 11.480 3.8266 .39969 15.600 -1.14 16 43.000 1.24 4 27.400

49 z\_rel4 5 22.640 5.3984 2.4142 .23845 16.200 -1.19 16 29.200 1.22 1 13.000

58 z\_rel5 5 32.080 10.560 4.7224 .32917 19.500 -1.19 16 43.000 1.03 1 23.500

67 z\_rel6 4 40.475 5.0408 2.5204 .12454 36.200 -0.85 20 47.600 1.41 15 11.400

76 z\_rel7 1 43.700 0.0000 0.0000 0.0000 43.700 20 43.700 20 0.0000

85 z\_rel8 16 35.956 4.2417 1.0604 .11797 26.600 -2.21 23 46.800 2.56 13 20.200

14 d\_rel0 16 58.275 7.5841 1.8960 .13014 44.100 -1.87 4 70.300 1.59 2 26.200

23 d\_rel1 16 43.369 8.0354 2.0088 .18528 32.100 -1.40 14 53.600 1.27 20 21.500

32 d\_rel2 16 38.531 8.0440 2.0110 .20877 27.200 -1.41 13 50.900 1.54 16 23.700

41 d\_rel3 9 42.900 6.8218 2.2739 .15902 34.300 -1.26 4 50.700 1.14 15 16.400

50 d\_rel4 5 45.340 2.1686 .96985 .04783 43.400 -0.89 1 47.700 1.09 15 4.3000

59 d\_rel5 5 40.740 5.5891 2.4995 .13719 35.000 -1.03 1 47.300 1.17 20 12.300

68 d\_rel6 4 34.550 4.8925 2.4463 .14161 28.400 -1.26 15 39.100 0.93 20 10.700

77 d\_rel7 1 33.400 0.0000 0.0000 0.0000 33.400 20 33.400 20 0.0000

86 d\_rel8 16 37.925 3.3670 .84175 .08878 32.100 -1.73 13 45.800 2.34 23 13.700

106 dges0 16 282.46 45.841 11.460 .16229 170.86 -2.43 24 337.53 1.20 4 166.67

107 dges1 16 290.91 45.745 11.436 .15725 182.80 -2.36 24 361.64 1.55 4 178.84

108 dges2 16 293.92 49.666 12.416 .16898 184.49 -2.20 24 374.58 1.62 4 190.09

109 dges3 9 321.09 39.081 13.027 .12171 267.09 -1.38 2 370.54 1.27 4 103.45

110 dges4 5 320.67 37.651 16.838 .11741 273.83 -1.24 15 362.77 1.12 22 88.940

111 dges5 5 313.30 41.784 18.686 .13337 266.62 -1.12 15 359.31 1.10 22 92.690

112 dges6 4 306.89 36.813 18.407 .11996 273.02 -0.92 15 339.45 0.88 22 66.430

113 dges7 1 326.72 0.0000 0.0000 0.0000 326.72 20 326.72 20 0.0000

114 dges8 16 290.93 46.895 11.724 .16119 188.57 -2.18 24 360.36 1.48 7 171.79

88 ps\_r20 16 31.819 3.8969 .97422 .12247 25.378 -1.65 2 39.733 2.03 4 14.355

89 ps\_r21 16 41.663 3.3050 .82625 .07933 32.431 -2.79 7 46.323 1.41 14 13.893

90 ps\_r22 16 42.066 1.7951 .44878 .04267 39.175 -1.61 23 45.722 2.04 13 6.5471

91 ps\_r23 9 39.743 2.0723 .69077 .05214 36.751 -1.44 1 42.341 1.25 22 5.5891

92 ps\_r24 5 41.221 3.6860 1.6484 .08942 38.254 -0.81 15 47.381 1.67 16 9.1277

93 ps\_r25 5 39.833 2.8098 1.2566 .07054 37.243 -0.92 20 44.597 1.70 16 7.3542

94 ps\_r26 4 42.199 3.7271 1.8636 .08832 38.747 -0.93 20 45.883 0.99 15 7.1357

95 ps\_r27 1 40.637 0.0000 0.0000 0.0000 40.637 20 40.637 20 0.0000

96 ps\_r28 16 40.740 3.9343 .98358 .09657 37.127 -0.92 1 51.268 2.68 16 14.141

97 id\_r20 16 68.181 3.8975 .97438 .05716 60.267 -2.03 4 74.626 1.65 2 14.358

98 id\_r21 16 58.337 3.3050 .82625 .05665 53.677 -1.41 14 67.569 2.79 7 13.893

99 id\_r22 16 57.934 1.7950 .44875 .03098 54.274 -2.04 13 60.825 1.61 23 6.5505

100 id\_r23 9 60.257 2.0728 .69094 .03440 57.659 -1.25 22 63.249 1.44 1 5.5891

101 id\_r24 5 58.778 3.6853 1.6481 .06270 52.619 -1.67 16 61.743 0.80 15 9.1240

102 id\_r25 5 60.164 2.8101 1.2567 .04671 55.399 -1.70 16 62.754 0.92 20 7.3550

103 id\_r26 4 57.802 3.7279 1.8640 .06450 54.117 -0.99 15 61.253 0.93 20 7.1357

104 id\_r27 1 59.363 0.0000 0.0000 0.0000 59.363 20 59.363 20 0.0000

105 id\_r28 16 59.261 3.9346 .98366 .06640 48.728 -2.68 16 62.870 0.92 1 14.142

115 STps 16 .68289 .52635 .13159 .77077 -.11643 -1.52 22 1.7245 1.98 5 1.8409

116 STpz 16 3.7048 1.4794 .36985 .39932 1.4930 -1.50 23 7.5728 2.61 13 6.0798

117 STid 16 -.38397 .60354 .15089 -1.5718 -2.1609 -2.94 5 .45713 1.39 4 2.6180

118 STges 16 3.9974 1.7050 .42625 .42652 2.1687 -1.07 16 8.2274 2.48 13 6.0587

119 STs\_rel 16 -.07953 .11042 .02760 -1.3884 -.23804 -1.44 22 .24584 2.95 5 .48388

120 STz\_rel 16 .61927 .21218 .05305 .34264 .17742 -2.08 23 1.0073 1.83 13 .82991

121 STd\_rel 16 -.53972 .21815 .05454 -.40419 -.87326 -1.53 13 -.16331 1.73 23 .70996

122 STdges 16 .29265 .50220 .12555 1.7160 -.43653 -1.45 5 1.3783 2.16 7 1.8148

123 STpsr2 16 .20630 .16401 .04100 .79501 -.03888 -1.49 4 .59045 2.34 5 .62933

124 STidr2 16 -.20628 .16400 .04100 -.79505 -.59042 -2.34 5 .03885 1.49 4 .62927

NUMBER OF CASES READ. . . . . . . . . . . . . . 26

CASES WITH USE SET TO ZERO . . . . . . . . . 10

REMAINING NUMBER OF CASES . . . . . . . . 16

STps VAR. 115 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN 0.6829 1-SAMPLE T 5.19 0.0001 15

H STD DEV 0.5264

H S.E.M. 0.1316

H H H H SAMPLE SIZE 16

H HHH HHH H HH MAXIMUM 1.7245

M--------------------M MINIMUM -0.1164

I AN H= 1 CASES A Z MAX 1.98

N (N= 16) X Z MIN -1.52

CASE (MAX) 5

CASE (MIN) 22

STpz VAR. 116 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN 3.7048 1-SAMPLE T 10.02 0.0000 15

H STD DEV 1.4794

HH S.E.M. 0.3698

HH H SAMPLE SIZE 16

HH HHHHHHH H MAXIMUM 7.5728

M--------------------M MINIMUM 1.4930

I AN H= 1 CASES A Z MAX 2.61

N (N= 16) X Z MIN -1.50

CASE (MAX) 13

CASE (MIN) 23

STid VAR. 117 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

------------------- --------------------------------

MEAN -0.3840 1-SAMPLE T -2.54 0.0224 15

STD DEV 0.6035

H H S.E.M. 0.1509

HHHH H SAMPLE SIZE 16

H HHHHHHH H MAXIMUM 0.4571

M--------------------M MINIMUM -2.1609

I AN H= 1 CASES A Z MAX 1.39

N (N= 16) X Z MIN -2.94

CASE (MAX) 4

CASE (MIN) 5

STges VAR. 118 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

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MEAN 3.9974 1-SAMPLE T 9.38 0.0000 15

STD DEV 1.7050

H S.E.M. 0.4263

HH HH H SAMPLE SIZE 16

HHHHH HH HH H MAXIMUM 8.2274

M--------------------M MINIMUM 2.1687

I AN H= 1 CASES A Z MAX 2.48

N (N= 16) X Z MIN -1.07

CASE (MAX) 13

CASE (MIN) 16

STdges VAR. 122 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

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MEAN 0.2927 1-SAMPLE T 2.33 0.0341 15

STD DEV 0.5022

S.E.M. 0.1256

H HHH H SAMPLE SIZE 16

HH HHHH HHH H H MAXIMUM 1.3783

M--------------------M MINIMUM -0.4365

I AN H= 1 CASES A Z MAX 2.16

N (N= 16) X Z MIN -1.45

CASE (MAX) 7

CASE (MIN) 5

STpsr2 VAR. 123 VS. MEAN= 0.0000

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TEST STATISTICS P-VALUE DF

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MEAN 0.2063 1-SAMPLE T 5.03 0.0001 15

STD DEV 0.1640

S.E.M. 0.0410

H H H H H SAMPLE SIZE 16

H HH HHHHHHH H MAXIMUM 0.5905

M--------------------M MINIMUM -0.0389

I AN H= 1 CASES A Z MAX 2.34

N (N= 16) X Z MIN -1.49

CASE (MAX) 5

CASE (MIN) 4

STidr2 VAR. 124 VS. MEAN= 0.0000

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TEST STATISTICS P-VALUE DF

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MEAN -0.2063 1-SAMPLE T -5.03 0.0001 15

STD DEV 0.1640

S.E.M. 0.0410

H H H H H SAMPLE SIZE 16

H HHHHHHH HH H MAXIMUM 0.0388

M--------------------M MINIMUM -0.5904

I AN H= 1 CASES A Z MAX 1.49

N (N= 16) X Z MIN -2.34

CASE (MAX) 4

CASE (MIN) 5

NUMBER OF INTEGER WORDS USED IN PRECEDING SUBPROBLEM 7967

/ FINISH

PROGRAM TERMINATED