A.5.2  Preposition placement in relative clauses of varying complexity

A.5.2.1 Sample material set

material set 1

reference sentence: That's the teacher whom Martin annoyed.

01.01: I saw the teacher that Jane relied on.

01.02: There's the pensioner who Jill looked after.

01.03: Here's the clerk whom George referred to.

01.04: There is the boy she disapproved of.

01.05: That's the actor with that he met.

01.06: There goes the woman for who Richard looked.

01.07: I saw the nurse at whom Maria pointed.

01.08: There's the doctor about Paul wrote.

01.09: Here's the priest on that she depended on.

01.10: There is the movie star to who the car belonged to.

01.11: That's the author of whom Stephanie read of.

01.12: There goes the rapper with Bill collided with.

01.13: I saw the postman that you remarked that Carrie cared for.

01.14: There's the saleswoman who I noted that Brad shouted at.

01.15: There's the soldier whom I denied that I had heard about.

01.16: I saw the nurse you reported that the investigation focused on.

01.17: I saw the father to that you believed that Jennifer didn't speak.

01.18: That's the couple of who you insisted that Ben didn't think.

01.19: There is the athlete with whom I heard that Elisabeth lived.

01.20: That's the CD for I remembered that Will asked.

01.21: That's the football player at that I swore that she smiled at.

01.22: There is the politician about who you guessed that Ann thought about.

01.23: That's the policeman on whom you felt that they picked on.

01.24: There's the man to you knew that Joe wrote to.

01.25: That's the girl that you admitted Sarah hadn't heard of.

01.26: Here's the doll who I suggested Monica played with.

01.27: That's the guy whom you said he worked for.

01.28: That's the picture I thought she looked at.

01.29: There's the patient about that I told you Ron worried.

01.30: That's the student on who I explained the dean called.

01.31: There goes the singer to whom I didn't know Jeff likes to listen.

01.32: There goes the waiter of I doubted she dreamt.

01.33: There is the groupie with that you feared Claudia slept with.

01.34: That's the doctor for who I observed Mike apologised for.

01.35: There goes the movie star at whom I read Bill laughed at.

01.36: I saw the guy about I imagined Steve talked about.

Fillers

F.01: I saw the professor that angered Nina.

F.02: There's the saleswoman who married Steve.

F.03: There's the waiter whom insulted Jacqueline.

F.04: I saw the nurse hit the child.

F.05: I saw the woman that John envied.

F.06: That's the principal who Lisa interviewed.

F.07: There is the policewoman whom the thief found.

F.08: That's the teacher Martin annoyed.

F.09: That's the actor that I understood that dated Gina.

F.10: There is the patient who you guessed that called the dentist.

F.11: That's the taxi driver whom you remembered that located Mike.

F.12: There's the actress you knew that encountered Mark.

F.13: That's the girl that you questioned called Fred.

F.14: Here's the child who I didn't comprehend bothered Sam.

F.15: That's the man whom you said rescued the teenager.

F.16: That's the child I considered liked Joe.

F.17: There's the captain that I told you that Ann dated.

F.18: That's the secretary who I challenged that Bill harassed.

F.19: There goes the little boy whom I didn't know that the teacher hugged.

F.20: There goes the boy I wondered that Sue punched.

F.21: There is the man that you explained the doctor requested.

F.22: That's the woman who I heard the baby kissed.

F.23: There goes the reporter whom I read Janet sued.

F.24: I saw the drunk I imagined Fran scared.

F.25: I saw the drunk that scared Fran.

F.26: I saw the professor who angered Nina.

F.27: There's the saleswoman whom married Steve.

F.28: There's the waiter insulted Jacqueline.

F.29: I saw the nurse that the child hit.

F.30: I saw the woman who John envied.

F.31: That's the principal whom Lisa interviewed.

F.32: There is the policewoman the thief found.

F.33: That's the teacher that I noticed that annoyed Martin.

F.34: That's the actor who I understood that dated Gina.

F.35: There is the patient whom you guessed that called the dentist.

F.36: That's the taxi driver you remembered that located Mike.

F.37: There's the actress that you knew encountered Mark.

F.38: That's the girl who you questioned called Fred.

F.39: Here's the child whom I didn't comprehend bothered Sam.

F.40: That's the man you said rescued the teenager.

F.41: That's the child that I considered that Joe liked.

F.42: There's the captain who I told you that Ann dated.

F.43: That's the secretary whom I challenged that Bill harassed.

F.44: There goes the little boy I didn't know that the teacher hugged.

F.45: There goes the boy that I wondered Sue punched.

F.46: There is the man who you explained the doctor requested.

F.47: That's the woman whom I heard the baby kissed.

F.48: There goes the reporter I read Janet sued.

A.5.2.2 SPSS results of British English speakers

**BY-SUBJECT = BY-ITEM**

**Tests der Zwischensubjekteffekte**

Maß: MASS\_1

Transformierte Variable: Mittel

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Quelle | Quadratsumme vom Typ III | df | Mittel der Quadrate | F | Signifikanz |
| Konstanter Term | 10,757 | 1 | 10,757 | 9,854 | ,004 |
| Age | ,920 | 1 | ,920 | ,843 | ,365 |
| Sex | ,300 | 1 | ,300 | ,275 | ,603 |
| Fehler | 36,023 | 33 | 1,092 |  |  |

**Mauchly-Test auf Sphärizität(b)**

Maß: MASS\_1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Innersubjekteffekt | Mauchly-W | Approximiertes Chi-Quadrat | df | Signifikanz | Epsilon(a) | | |
| Greenhouse-Geisser | Huynh-Feldt | Untergrenze |
| complex | ,862 | 5,053 | 2 | ,080 | ,879 | ,921 | ,500 |
| pplace | ,661 | 14,070 | 2 | ,001 | ,747 | ,773 | ,500 |
| rel | ,523 | 21,872 | 5 | ,001 | ,771 | ,828 | ,333 |
| complex \* pplace | ,690 | 12,409 | 9 | ,192 | ,863 | ,968 | ,250 |
| complex \* rel | ,412 | 29,093 | 20 | ,087 | ,785 | ,922 | ,167 |
| pplace \* rel | ,459 | 25,515 | 20 | ,184 | ,788 | ,926 | ,167 |
| complex \* pplace \* rel | ,032 | 106,450 | 77 | ,017 | ,691 | ,926 | ,083 |

Prüft die Nullhypothese, daß sich die Fehlerkovarianz-Matrix der orthonormalisierten transformierten abhängigen Variablen proportional zur Einheitsmatrix verhält.

a Kann zum Korrigieren der Freiheitsgrade für die gemittelten Signifikanztests verwendet werden. In der Tabelle mit den Tests der Effekte innerhalb der Subjekte werden korrigierte Tests angezeigt.

b Design: Intercept

Innersubjekt-Design: complex+pplace+rel+complex\*pplace+complex\*rel+pplace\*rel+complex\*pplace\*rel

**Tests der Innersubjekteffekte**

Maß: MASS\_1

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Quelle |  | Quadratsumme vom Typ III | df | Mittel der Quadrate | F | Signifikanz |
| complex | Sphärizität angenommen | 28,064 | 2 | 14,032 | 20,993 | ,000 |
|  | Greenhouse-Geisser | 28,064 | 1,757 | 15,970 | 20,993 | ,000 |
|  | Huynh-Feldt | 28,064 | 1,843 | 15,228 | 20,993 | ,000 |
|  | Untergrenze | 28,064 | 1,000 | 28,064 | 20,993 | ,000 |
| Fehler(complex) | Sphärizität angenommen | 46,790 | 70 | ,668 |  |  |
|  | Greenhouse-Geisser | 46,790 | 61,505 | ,761 |  |  |
|  | Huynh-Feldt | 46,790 | 64,501 | ,725 |  |  |
|  | Untergrenze | 46,790 | 35,000 | 1,337 |  |  |
| pplace | Sphärizität angenommen | 381,266 | 2 | 190,633 | 154,640 | ,000 |
|  | Greenhouse-Geisser | 381,266 | 1,494 | 255,235 | 154,640 | ,000 |
|  | Huynh-Feldt | 381,266 | 1,545 | 246,730 | 154,640 | ,000 |
|  | Untergrenze | 381,266 | 1,000 | 381,266 | 154,640 | ,000 |
| Fehler(pplace) | Sphärizität angenommen | 86,293 | 70 | 1,233 |  |  |
|  | Greenhouse-Geisser | 86,293 | 52,282 | 1,651 |  |  |
|  | Huynh-Feldt | 86,293 | 54,084 | 1,596 |  |  |
|  | Untergrenze | 86,293 | 35,000 | 2,466 |  |  |
| rel | Sphärizität angenommen | 91,928 | 3 | 30,643 | 32,066 | ,000 |
|  | Greenhouse-Geisser | 91,928 | 2,312 | 39,768 | 32,066 | ,000 |
|  | Huynh-Feldt | 91,928 | 2,485 | 36,999 | 32,066 | ,000 |
|  | Untergrenze | 91,928 | 1,000 | 91,928 | 32,066 | ,000 |
| Fehler(rel) | Sphärizität angenommen | 100,338 | 105 | ,956 |  |  |
|  | Greenhouse-Geisser | 100,338 | 80,906 | 1,240 |  |  |
|  | Huynh-Feldt | 100,338 | 86,961 | 1,154 |  |  |
|  | Untergrenze | 100,338 | 35,000 | 2,867 |  |  |
| complex \* pplace | Sphärizität angenommen | 9,593 | 4 | 2,398 | 5,488 | ,000 |
|  | Greenhouse-Geisser | 9,593 | 3,450 | 2,780 | 5,488 | ,001 |
|  | Huynh-Feldt | 9,593 | 3,874 | 2,477 | 5,488 | ,000 |
|  | Untergrenze | 9,593 | 1,000 | 9,593 | 5,488 | ,025 |
| Fehler(complex\*pplace) | Sphärizität angenommen | 61,183 | 140 | ,437 |  |  |
|  | Greenhouse-Geisser | 61,183 | 120,761 | ,507 |  |  |
|  | Huynh-Feldt | 61,183 | 135,576 | ,451 |  |  |
|  | Untergrenze | 61,183 | 35,000 | 1,748 |  |  |
| complex \* rel | Sphärizität angenommen | 4,234 | 6 | ,706 | 1,681 | ,127 |
|  | Greenhouse-Geisser | 4,234 | 4,711 | ,899 | 1,681 | ,146 |
|  | Huynh-Feldt | 4,234 | 5,533 | ,765 | 1,681 | ,134 |
|  | Untergrenze | 4,234 | 1,000 | 4,234 | 1,681 | ,203 |
| Fehler(complex\*rel) | Sphärizität angenommen | 88,157 | 210 | ,420 |  |  |
|  | Greenhouse-Geisser | 88,157 | 164,882 | ,535 |  |  |
|  | Huynh-Feldt | 88,157 | 193,660 | ,455 |  |  |
|  | Untergrenze | 88,157 | 35,000 | 2,519 |  |  |
| pplace \* rel | Sphärizität angenommen | 85,459 | 6 | 14,243 | 21,550 | ,000 |
|  | Greenhouse-Geisser | 85,459 | 4,730 | 18,069 | 21,550 | ,000 |
|  | Huynh-Feldt | 85,459 | 5,559 | 15,374 | 21,550 | ,000 |
|  | Untergrenze | 85,459 | 1,000 | 85,459 | 21,550 | ,000 |
| Fehler(pplace\*rel) | Sphärizität angenommen | 138,796 | 210 | ,661 |  |  |
|  | Greenhouse-Geisser | 138,796 | 165,538 | ,838 |  |  |
|  | Huynh-Feldt | 138,796 | 194,558 | ,713 |  |  |
|  | Untergrenze | 138,796 | 35,000 | 3,966 |  |  |
| complex \* pplace \* rel | Sphärizität angenommen | 16,645 | 12 | 1,387 | 3,092 | ,000 |
|  | Greenhouse-Geisser | 16,645 | 8,295 | 2,007 | 3,092 | ,002 |
|  | Huynh-Feldt | 16,645 | 11,108 | 1,498 | 3,092 | ,001 |
|  | Untergrenze | 16,645 | 1,000 | 16,645 | 3,092 | ,087 |
| Fehler(complex\*pplace\*rel) | Sphärizität angenommen | 188,425 | 420 | ,449 |  |  |
|  | Greenhouse-Geisser | 188,425 | 290,335 | ,649 |  |  |
|  | Huynh-Feldt | 188,425 | 388,773 | ,485 |  |  |
|  | Untergrenze | 188,425 | 35,000 | 5,384 |  |  |

A.5.2.3 SPSS results of Kenyan English speakers

**BY-SUBJECT = BY-ITEM**

**Zwischensubjektfaktoren**

|  |  |  |  |
| --- | --- | --- | --- |
|  | | Wertelabel | N |
| Sex | 1 | female | 25 |
| 2 | male | 11 |

**Tests der Zwischensubjekteffekte**

Maß: MASS\_1

Transformierte Variable: Mittel

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Quelle | Quadratsumme vom Typ III | df | Mittel der Quadrate | F | Signifikanz |
| Konstanter Term | ,665 | 1 | ,665 | ,689 | ,413 |
| Age | ,228 | 1 | ,228 | ,236 | ,631 |
| Sex | ,403 | 1 | ,403 | ,417 | ,523 |
| Fehler | 31,866 | 33 | ,966 |  |  |

**Mauchly-Test auf Sphärizität(b)**

Maß: MASS\_1

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Innersubjekteffekt | Mauchly-W | Approximiertes Chi-Quadrat | df | Signifikanz | Epsilon(a) | | |
| Greenhouse-Geisser | Huynh-Feldt | Untergrenze |
| complex | ,907 | 3,323 | 2 | ,190 | ,915 | ,963 | ,500 |
| pplace | ,816 | 6,899 | 2 | ,032 | ,845 | ,883 | ,500 |
| rel | ,800 | 7,532 | 5 | ,184 | ,863 | ,938 | ,333 |
| complex \* pplace | ,784 | 8,122 | 9 | ,522 | ,893 | 1,000 | ,250 |
| complex \* rel | ,398 | 30,165 | 20 | ,068 | ,754 | ,879 | ,167 |
| pplace \* rel | ,533 | 20,641 | 20 | ,421 | ,824 | ,976 | ,167 |
| complex \* pplace \* rel | ,078 | 78,595 | 77 | ,450 | ,732 | 1,000 | ,083 |

Prüft die Nullhypothese, daß sich die Fehlerkovarianz-Matrix der orthonormalisierten transformierten abhängigen Variablen proportional zur Einheitsmatrix verhält.

a Kann zum Korrigieren der Freiheitsgrade für die gemittelten Signifikanztests verwendet werden. In der Tabelle mit den Tests der Effekte innerhalb der Subjekte werden korrigierte Tests angezeigt.

b Design: Intercept

Innersubjekt-Design: complex+pplace+rel+complex\*pplace+complex\*rel+pplace\*rel+complex\*pplace\*rel

**Tests der Innersubjekteffekte**

Maß: MASS\_1

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Quelle |  | Quadratsumme vom Typ III | | df | | Mittel der Quadrate | | F | | Signifikanz | |
| complex | Sphärizität angenommen | | 12,922 | | 2 | | 6,461 | | 11,410 | | ,000 |
| Greenhouse-Geisser | | 12,922 | | 1,830 | | 7,063 | | 11,410 | | ,000 |
| Huynh-Feldt | | 12,922 | | 1,925 | | 6,711 | | 11,410 | | ,000 |
| Untergrenze | | 12,922 | | 1,000 | | 12,922 | | 11,410 | | ,002 |
| Fehler(complex) | Sphärizität angenommen | | 39,638 | | 70 | | ,566 | |  | |  |
| Greenhouse-Geisser | | 39,638 | | 64,037 | | ,619 | |  | |  |
| Huynh-Feldt | | 39,638 | | 67,389 | | ,588 | |  | |  |
| Untergrenze | | 39,638 | | 35,000 | | 1,133 | |  | |  |
| pplace | Sphärizität angenommen | | 138,623 | | 2 | | 69,312 | | 57,579 | | ,000 |
| Greenhouse-Geisser | | 138,623 | | 1,690 | | 82,041 | | 57,579 | | ,000 |
| Huynh-Feldt | | 138,623 | | 1,766 | | 78,492 | | 57,579 | | ,000 |
| Untergrenze | | 138,623 | | 1,000 | | 138,623 | | 57,579 | | ,000 |
| Fehler(pplace) | Sphärizität angenommen | | 84,263 | | 70 | | 1,204 | |  | |  |
| Greenhouse-Geisser | | 84,263 | | 59,139 | | 1,425 | |  | |  |
| Huynh-Feldt | | 84,263 | | 61,813 | | 1,363 | |  | |  |
| Untergrenze | | 84,263 | | 35,000 | | 2,408 | |  | |  |
| rel | Sphärizität angenommen | | 42,165 | | 3 | | 14,055 | | 17,820 | | ,000 |
| Greenhouse-Geisser | | 42,165 | | 2,590 | | 16,280 | | 17,820 | | ,000 |
| Huynh-Feldt | | 42,165 | | 2,815 | | 14,978 | | 17,820 | | ,000 |
| Untergrenze | | 42,165 | | 1,000 | | 42,165 | | 17,820 | | ,000 |
| Fehler(rel) | Sphärizität angenommen | | 82,815 | | 105 | | ,789 | |  | |  |
| Greenhouse-Geisser | | 82,815 | | 90,651 | | ,914 | |  | |  |
| Huynh-Feldt | | 82,815 | | 98,532 | | ,840 | |  | |  |
| Untergrenze | | 82,815 | | 35,000 | | 2,366 | |  | |  |
| complex \* pplace | Sphärizität angenommen | | 9,410 | | 4 | | 2,352 | | 3,439 | | ,010 |
| Greenhouse-Geisser | | 9,410 | | 3,574 | | 2,633 | | 3,439 | | ,013 |
| Huynh-Feldt | | 9,410 | | 4,000 | | 2,352 | | 3,439 | | ,010 |
| Untergrenze | | 9,410 | | 1,000 | | 9,410 | | 3,439 | | ,072 |
| Fehler(complex\*pplace) | Sphärizität angenommen | | 95,771 | | 140 | | ,684 | |  | |  |
| Greenhouse-Geisser | | 95,771 | | 125,088 | | ,766 | |  | |  |
| Huynh-Feldt | | 95,771 | | 140,000 | | ,684 | |  | |  |
| Untergrenze | | 95,771 | | 35,000 | | 2,736 | |  | |  |
| complex \* rel | Sphärizität angenommen | | 13,245 | | 6 | | 2,207 | | 3,529 | | ,002 |
| Greenhouse-Geisser | | 13,245 | | 4,523 | | 2,929 | | 3,529 | | ,006 |
| Huynh-Feldt | | 13,245 | | 5,276 | | 2,510 | | 3,529 | | ,004 |
| Untergrenze | | 13,245 | | 1,000 | | 13,245 | | 3,529 | | ,069 |
| Fehler(complex\*rel) | Sphärizität angenommen | | 131,359 | | 210 | | ,626 | |  | |  |
| Greenhouse-Geisser | | 131,359 | | 158,288 | | ,830 | |  | |  |
| Huynh-Feldt | | 131,359 | | 184,673 | | ,711 | |  | |  |
| Untergrenze | | 131,359 | | 35,000 | | 3,753 | |  | |  |
| pplace \* rel | Sphärizität angenommen | | 50,101 | | 6 | | 8,350 | | 9,357 | | ,000 |
| Greenhouse-Geisser | | 50,101 | | 4,945 | | 10,132 | | 9,357 | | ,000 |
| Huynh-Feldt | | 50,101 | | 5,857 | | 8,555 | | 9,357 | | ,000 |
| Untergrenze | | 50,101 | | 1,000 | | 50,101 | | 9,357 | | ,004 |
| Fehler(pplace\*rel) | Sphärizität angenommen | | 187,404 | | 210 | | ,892 | |  | |  |
| Greenhouse-Geisser | | 187,404 | | 173,073 | | 1,083 | |  | |  |
| Huynh-Feldt | | 187,404 | | 204,978 | | ,914 | |  | |  |
| Untergrenze | | 187,404 | | 35,000 | | 5,354 | |  | |  |
| complex \* pplace \* rel | Sphärizität angenommen | | 13,615 | | 12 | | 1,135 | | 1,791 | | ,047 |
| Greenhouse-Geisser | | 13,615 | | 8,789 | | 1,549 | | 1,791 | | ,071 |
| Huynh-Feldt | | 13,615 | | 11,995 | | 1,135 | | 1,791 | | ,047 |
| Untergrenze | | 13,615 | | 1,000 | | 13,615 | | 1,791 | | ,189 |
| Fehler(complex\*pplace\*rel) | Sphärizität angenommen | | 266,077 | | 420 | | ,634 | |  | |  |
| Greenhouse-Geisser | | 266,077 | | 307,617 | | ,865 | |  | |  |
| Huynh-Feldt | | 266,077 | | 419,834 | | ,634 | |  | |  |
| Untergrenze | | 266,077 | | 35,000 | | 7,602 | |  | |  |