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Comparison

The comparative scheme consists of three obligatory components: Comparee, Standard of comparison, and the Parameter, which is the property in terms of which they are compared (Dixon 2012:344). The Standard is a non-nominative argument marked with the ablative preposition *az*. The Index of comparison, which is optional, is the comparative particle *der* ‘more’ which follows the Parameter adjective.

Sarikoli has two ways of expressing comparison. The mono-clausal construction (§5.1) will be introduced first, followed by the bi-clausal construction (§5.2). The superlative (§5.3), which is an extension from the comparative construction, will be described next. The fourth section (§5.4) will present how a statement of equivalence is expressed when the Comparee and Standard have the same degree in regards to the Parameter. The correlative comparative will be presented in the final section (§5.5).

The superlative Index *eng*, which is one of the two markers of superlative, is borrowed from Uyghur; the optional comparative Index *der* is cognate with Persian.

5.1 Mono-clausal construction

The mono-clausal comparative construction involves a copula clause construction (which is a verbless clause in the imperfective aspect), with the Parameter as the copula complement. In Sarikoli, a statement that something has a certain property involves an adjective in copula complement function, as in (5.1). The comparative construction is formed by adding a non-nominative NP as the Standard of comparison, marked by the ablative preposition *az*, as in (5.2) & (5.3). The comparative particle *der* may optionally be added as a post-head modifier to the adjective within the copula complement. The Comparee and Standard are expressed as NPs headed by any of the elements that can serve as an NP head. The NP containing the Standard may be moved to sentence-final

or sentence-initial position, as shown in the pairs of sentences in (5.2) & (5.3), respectively.

- (5.1) *varçide iç*
 Varshide cold
 ‘Varshide is cold.’
- (5.2) a. *varçide az xwor iç (der)*
 Varshide ABL Kashgar cold CPRV
 ‘Varshide is colder than Kashgar.’
- b. *az xwor varçide iç (der)*
 ABL Kashgar Varshide cold CPRV
 ‘Varshide is colder than Kashgar.’
- (5.3) a. *az qatlamo arzeq muu=ri xuc (der)*
 ABL Qatlamo Arzeq 1SG.NNOM=DAT happy CPRV
 ‘I like Arzeq (fried wedding pastry) better than Qatlamo (savory folded pastry).’ (lit. Arzeq is more pleasing to me than Qatlamo.)
- b. *arzeq muu=ri xuc (der), az qatlamo*
 Arzeq 1SG.NNOM=DAT happy CPRV ABL Qatlamo
 ‘I like Arzeq (fried wedding pastry) better than Qatlamo (savory folded pastry).’ (lit. Arzeq is more pleasing to me than Qatlamo.)

The Parameter of comparison may be a single adjective in copula complement function, as in (5.2) & (5.3) above, an adnominal adjective, as in (5.4) & (5.5), or an adjective, quantifier, or prepositional phrase functioning as an adverbial modifier, as in (5.6) - (5.9). Adnominal adjectives generally do not take the comparative marker *der* when occurring in a comparative construction. Since adverbs are typically derived from adjectives, and some plain adjectives may also be used in adverbial function, an adverb can naturally function as the Parameter. However, unmodified nouns or verbs may not serve as the Parameter, as shown by the ungrammatical examples (5.10) & (5.11).

- (5.4) *varçide az urumtçi xucruj dzuj*
 Varshide ABL Urumqi beautiful place
 ‘Varshide is a more beautiful place than Urumqi.’

- (5.5) *muu patiç az ta mas asto χig = itçuz*
 1SG.NNOM cousin ABL 2SG.NNOM also slow eat.INF = REL
 ‘My cousin is one who eats even slower than you.’
- (5.6) *waz az raçid dżald (der) zuz = am*
 1SG.NOM ABL Rashid fast CPRV run.IPFV = 1SG.IPFV
 ‘I run faster than Rashid.’
- (5.7) *juu az di χuçruuj (der)*
 3SG.NOM.DIST ABL 3SG.NNOM.PROX beautiful CPRV
levd
 say.3SG.IPFV
 ‘He speaks/sings more beautifully than this one.’
- (5.8) *muu bob az muu pur (der)*
 1SG.NNOM grandfather ABL 1SG.NNOM much CPRV
wazond
 know.3SG.IPFV
 ‘My grandfather knows more than I do.’
- (5.9) *çer az wεf tar prud (der) tizd*
 donkey ABL 3PL.NNOM.DIST LOC front CPRV go.3SG.IPFV
 ‘The donkey goes ahead of them.’
- (5.10) **ejdboj az muu dejqun (der)*
 Eidboy ABL 1SG.NNOM farmer CPRV
 ‘Eidboy is more farmer than I am.’
- (5.11) **jad zəw az wi χird (der)*
 3SG.NOM.PROX cow ABL 3SG.NNOM.DIST eat CPRV
 ‘This cow eats than that one.’

The Standard of comparison, along with the ablative marker *az*, may be omitted when it can be inferred from the physical or discourse context, with the help of the comparative marker *der*:

- (5.12) *muu = ri pur der ðo*
 1SG.NNOM = DAT much CPRV give.IPFV
 ‘Give me more.’

- (5.13) *χu bob = ir nizd dər niθ*
 REFL.NNOM grandfather = DAT near CPRV sit.IPFV
 ‘Sit closer to your grandfather.’

- (5.14) *puğan waχti dər joð = it*
 tomorrow early CPRV come.IPFV = 2PL.IPFV
 ‘Come(pl) earlier tomorrow.’

One of the NP quantifiers, *bax dər* ‘most’, is composed of the adjective *bax* ‘much; extra’ and the comparative marker *dər* (see §2.3.1.3).

To express that the Comparee is less X (where ‘X’ is the Parameter) than the Standard, the Parameter adjective phrase is modified by a preceding *kam* ‘few’, optionally followed by the comparative marker *dər*, as in (5.15). *kam* may also function as the Parameter itself, since it can serve an adverbial function, as in (5.16).

- (5.15) *waz az mu jaχ kam (dər) χuçruj*
 1SG.NOM ABL 1SG.NNOM sister few CPRV beautiful
 ‘I am less beautiful than my sister.’

- (5.16) *çanbe az mu kam (dər) xvdz*
 Shanbe ABL 1SG.NNOM few CPRV sleep.PRF
 ‘Shanbe slept less than I did. (Evidential/New information)’

In addition to comparing two participants, it is also possible to compare two activities with this construction. In such cases, the two activities are expressed as nominalizations (in the infinitive verb stem), and the subjects of those nominalizations are expressed as possessors (in the unmarked non-nominative form).

- (5.17) *wi naviçt az mu xojd dźald*
 3SG.NNOM.DIST write.INF ABL 1SG.NNOM read.INF fast
 (dər)
 CPRV
 ‘His writing is faster than my reading.’

The examples presented so far have shown the Comparee as the copula subject with the Parameter as the copula complement. However, the Comparee may also function as the O argument, with a shared subject as the A argument and a shared predicate as the Parameter. The Index, *puur* ‘much’ or *kam* ‘few’,

serves an adverbial function and may be followed by the comparative marker *der*. For example, in (5.18), the shared A argument is *waz* ‘I’, the Comparee is *hansu ziv* ‘Mandarin language’, the Standard is *tudzik ziv* ‘Tajik language’, the Index is *pur (der)* ‘more’, and the Parameter is the shared predicate *wazon* ‘know’.

- (5.18) *waz az tudzik ziv a=hansu ziv kam (der)*
 1SG.NOM ABL Tajik tongue ACC=Han tongue few CPRV
wazon = am
 know.IPFV = 1SG.IPFV
 ‘I know less Mandarin than I know Tajik.’

- (5.19) *merdin az tçer skit pur (der) kaxt*
 Merdin ABL work play much CPRV do.3SG.IPFV
 ‘Merdin plays more than he works.’

As with all other copula clauses, the comparative construction is negated by adding the clause-final negator *nist*. The comparative marker *der* is not used in a negative comparative construction.

- (5.20) *m-ono az m-oto kam xojdz=endz*
 1SG.NNOM-mother ABL 1SG.NNOM-father few read.PRF=REL
nist
 NEG.be.IPFV
 ‘My mother is not one who is less educated than my father.’

- (5.21) *waz az ta aqlin mas nist*
 1SG.NOM ABL 2SG.NNOM intelligent also NEG.be.IPFV
kutçin mas nist
 strong also NEG.be.IPFV
 ‘I am neither more intelligent nor stronger than you.’

5.2 Bi-clausal construction

The bi-clausal comparative construction involves a subordinate clause and has the following structure:

‘when looking to (i.e. compared with) [Standard], [Comparee] is [Parameter]’.

The verb *tçixt* ‘look’ is followed by the temporal particle *alo*, forming a temporal adverbial clause. As with the mono-clausal construction, the main clause is a copula clause with the Comparee as the copula subject and the Parameter as the copula complement. However, the standard is marked as dative instead of ablative, and the Index *der* is obligatory. The bi-clausal construction may be used with adjectives in copula complement function (5.22) & (5.23), adverbials (5.24) & (5.25), and adnominal adjectives (5.26).

- (5.22) *zulfia dɛst=ir tçixt alo mu dɛst long*
 Zeelfia friend=DAT look.INF TEMP 1SG.NNOM friend limpy
der
 CPRV
 ‘Compared to Zeelfia’s friend, my friend is more limpy.’

- (5.23) *ta çejdoi=ri tçixt alo mu-an*
 2SG.NNOM Sheydoi=DAT look.INF TEMP 1SG.NNOM-GEN
garun der
 heavy CPRV
 ‘Compared to your Sheydoi (female cap), mine is heavier.’

- (5.24) *χu χajun=ir tçixt alo waz*
 REFL.NNOM sister.in.law=DAT look.INF TEMP 1SG.NOM
χuçruij der intsov=am
 beautiful CPRV sew.IPFV=1SG.IPFV
 ‘Compared to my sister-in-law, I sew more beautifully.’

- (5.25) *digar qanatin=ir tçixt alo xtsuud buvand der*
 other bird=DAT look.INF TEMP eagle high CPRV
rawozd
 fly.3SG.IPFV
 ‘Compared to other birds, the eagle flies higher.’

- (5.26) *wi puuts = ir tçixt alo mu puuts*
 3SG.NNOM.DIST son = DAT look.INF TEMP 1SG.NNOM son
tçardž dər tçur
 good CPRV husband
 ‘Compared to her son, my son is a better husband.’

As with the mono-clausal construction, to express that the Comparee is of a greater or lesser degree than the Standard in terms of the Parameter, the Parameter adjective may be modified by a preceding *puur* ‘much’ or *kam* ‘few’ followed by the comparative marker *dər*, as in (5.27) & (5.28), or with *uburo* ‘more’ without the comparative marker *dər*, as in (5.29).

- (5.27) *ojmira xad = ir tçixt alo şaniguul xad puur*
 Oimira hair = DAT look.INF TEMP Shanigeel hair much
dər zird
 CPRV yellow
 ‘Compared to Oimira’s hair, Shanigeel’s hair is more yellow.’

- (5.28) *mu tçed-nendž-ef = ir tçixt alo*
 1SG.NNOM house-ADJ-PL.NNOM = DAT look.INF TEMP
mu xojd kam dər mujim
 1SG.NNOM read.INF few CPRV important
 ‘Compared to my family, my studies are less important.’

- (5.29) *wi puuts = ir tçixt alo mu puuts*
 3SG.NNOM.DIST son = DAT look.INF TEMP 1SG.NNOM son
tçur set = ir uburo dər lujeq
 husband become.INF = DAT more CPRV worthy
 ‘Compared to her son, my son is more worthy to become a husband.’

The bi-clausal construction may also be used for comparing two different activities. The two activities, which are the Comparee and Standard, are both expressed as nominalizations (in the infinitive verb stem), and the Parameter is followed by *dər*, as in (5.30).

- (5.30) *pul vig = ir tçixt alo pul rafond usun*
 money find.INF = DAT look.INF TEMP money use.INF easy
der
 CPRV
 ‘Compared to earning money, spending money is easier.’

Alternatively, a bi-clausal comparative strategy may be formed by conjoining two independent clauses with the conjunction *hammo* or *lekin* ‘but’. The second clause is essentially the same as a mono-clausal construction, with the Standard omitted because it is mentioned in the first clause. The parameter is an adjective, and either the comparative marker *der* or *uburo* ‘more’ may function as the Index of parameter. The first clause often includes an optional *mas* ‘also’.

- (5.31) *di qad (mas) buland, hammo*
 3SG.NNOM.PROX height also high but
di puts qad uburo buland
 3SG.NNOM.PROX son height more high
 ‘This person is (also) tall, but his son is even taller.’
- (5.32) *çindžang tamoq (mas) tsex, lekin suutçwan tamoq tsex der*
 Xinjiang food also spicy but Sichuan food spicy CPRV
 ‘Xinjiang food is (also) spicy, but Sichuan food is even spicier.’

5.3 Superlative

The superlative construction is an extension from the comparative construction. Whereas a comparative adjective compares two participants of similar status (Comparee & Standard), the superlative adjective identifies a single individual as one that is of the greatest degree in regards to the Parameter. The superlative is expressed through a comparative construction, with the Standard being specified as *džam* ‘all’ and marked with the ablative preposition *az*. The Comparee is stated first, followed by the Standard *az džam*, followed by the Parameter. The Comparee may be an adjective in copula complement (5.33), adnominal (5.34) - (5.36), or adverbial (5.37) function.

- (5.33) *jad çer az džam kutçin*
 3SG.NOM.PROX donkey ABL all strong
 ‘This donkey is the strongest.’

- (5.34) *jad az dʒam kuitʃin cɛr*
 3SG.NOM.PROX ABL all strong donkey
 ‘This is the strongest donkey.’
- (5.35) *muu az dʒam nɪzd hamru muu = ri*
 1SG.NNOM ABL all near companion 1SG.NNOM = DAT

χiunat tɕəwg
 betrayal do.PFV
 ‘My closest friend betrayed me.’
- (5.36) *aftovuz-an az dʒam prud-nɛndʒ a = dʒuj-ɛf*
 bus-GEN ABL all front-ADJ ACC = place-PL.NNOM

pɛɕqadam χalg-ɛf = ir ɖod luzim
 elderly person-PL.NNOM = DAT give.INF necessary
 ‘It is necessary to give the foremost seats of the bus to the elderly.’
- (5.37) *wi dud bejtgar, juu az dʒam*
 3SG.NNOM.DIST uncle singer 3SG.NOM.DIST ABL all

χuɕruj lɛvd
 beautiful say.3SG.IPFV
 ‘His uncle is a singer, he sings the most beautifully.’

Alternatively, the Uyghur loanword *eng* ‘most’ may be used as a distinct superlative Index, replacing the native *az dʒam* ‘than all’. As in the native superlative construction introduced above, the Comparee is followed by the Index *eng* and then the Parameter. It is ungrammatical to use both *az dʒam* and *eng* for a single adjective, as shown by the ungrammatical examples (5.38b) & (5.39b).

- (5.38) a. *jad cɛr eng kuitʃin*
 3SG.NOM.PROX donkey SUPL strong
 ‘This donkey is the strongest.’
- b. **jad cɛr az dʒam eng kuitʃin*
 3SG.NOM.PROX donkey ABL all SUPL strong
 ‘This donkey is the strongest.’

- (5.39) a. *muu eng nizd hamru muu=ri*
 1SG.NNOM SUPL near companion 1SG.NNOM=DAT
xiunat tɕəwg
 betrayal do.PFV
 ‘My closest friend betrayed me.’
- b. **muu az dɕam eng nizd hamru*
 1SG.NNOM ABL all SUPL near companion
muu=ri xiunat tɕəwg
 1SG.NNOM=DAT betrayal do.PFV
 ‘My closest friend betrayed me.’

5.4 Statement of equivalence

Sometimes the Comparee and Standard may be of equal degree in regards to the Parameter. In such cases, a statement of equivalence is made by stating the Comparee, followed by the Standard marked with the semblative post-position *rang*, followed by the Parameter. As with the regular mono-clausal construction, the statement of equivalence may be formed from adjectives in copula complement (5.40), adnominal (5.41), and adverbial function (5.42).

- (5.40) *waz dowud rang aqlin*
 1SG.NOM Doweed SEMB intelligent
 ‘I am as intelligent as Doweed.’
- (5.41) *maç tamaç rang puur dɕuj tujdɕ=ɛndɕ*
 1PL.NOM 2PL.NNOM SEMB much place go.PRF=REL
nist
 NEG.be.IPFV
 ‘We are not those who have been to as many places as you(pl) have.’
- (5.42) *batɕo-ɕejl maç rang dɕald levd na tɕi*
 child-PL.NOM 1PL.NNOM SEMB fast say.INF NEG CAP
ka=in
 do.IPFV=3PL.IPFV
 ‘Children cannot speak as fast as we do.’

5.5 Correlative comparative

In a correlative comparative construction, two comparative clauses are juxtaposed (Dixon 2012:389). The correlative comparative construction consists of a main clause and a subordinate clause. The subordinate clause contains a verb in infinitive stem followed by a special correlative comparative particle, *araçi*. The subordinate clause generally occurs sentence-initially, or after the subject if the two clauses share the same subject, as in (5.43) & (5.48).

- (5.43) *manos χig araçi farbe səwd*
 Manos eat.INF CORR fat become.3SG.IPFV
 ‘The more Manos eats, the fatter he gets.’
- (5.44) *əwqut bawu tər set araçi zoxt=itçuz χalg*
 thing price high become.INF CORR buy.INF = REL person

kam səwd
 few become.3SG.IPFV
 ‘The higher the price of things, the fewer the people who by them.’
- (5.45) *təw tçarmi pur tçejg araçi ta zarat*
 2SG.NOM sow much do.INF CORR 2SG.NNOM harvest

k=dund pur səwd
 ANA=AMT much become.3SG.IPFV
 ‘The more you sow, the more you reap.’
- (5.46) *χalg=ir vuusond araçi ta gamayak ləwr*
 person=DAT show.INF CORR 2SG.NNOM stye big

səwd
 become.3SG.IPFV
 ‘The more you show your stye to other people, the bigger it will get.’
- (5.47) *hawu buland set araçi mɛwo k=dund kam*
 atmosphere high become.INF CORR fruit ANA=AMT few

sovdz səwd
 green become.3SG.IPFV
 ‘The higher the altitude, the less fruit will grow.’

- (5.48) *wi* *awudʒ* *ɛəwl* *wɛðd* *araçi*
 3SG.NNOM.DIST sound ear put.INF CORR
muu = ri = ik *χuɛruj* *numujd*
 1SG.NNOM = DAT = DUR beautiful seem.3SG.IPFV
 ‘The more I listen to her voice, the more beautiful it seems to me.’
- (5.49) *ta* *mul* *mulk* *puur* *set* *araçi* *alukat*
 2SG.NNOM livestock land much become.INF CORR trouble
mas *puur* *səwd*
 also much become.3SG.IPFV
 ‘The more possessions you have, the more troublesome it gets.’