

LOGIKA

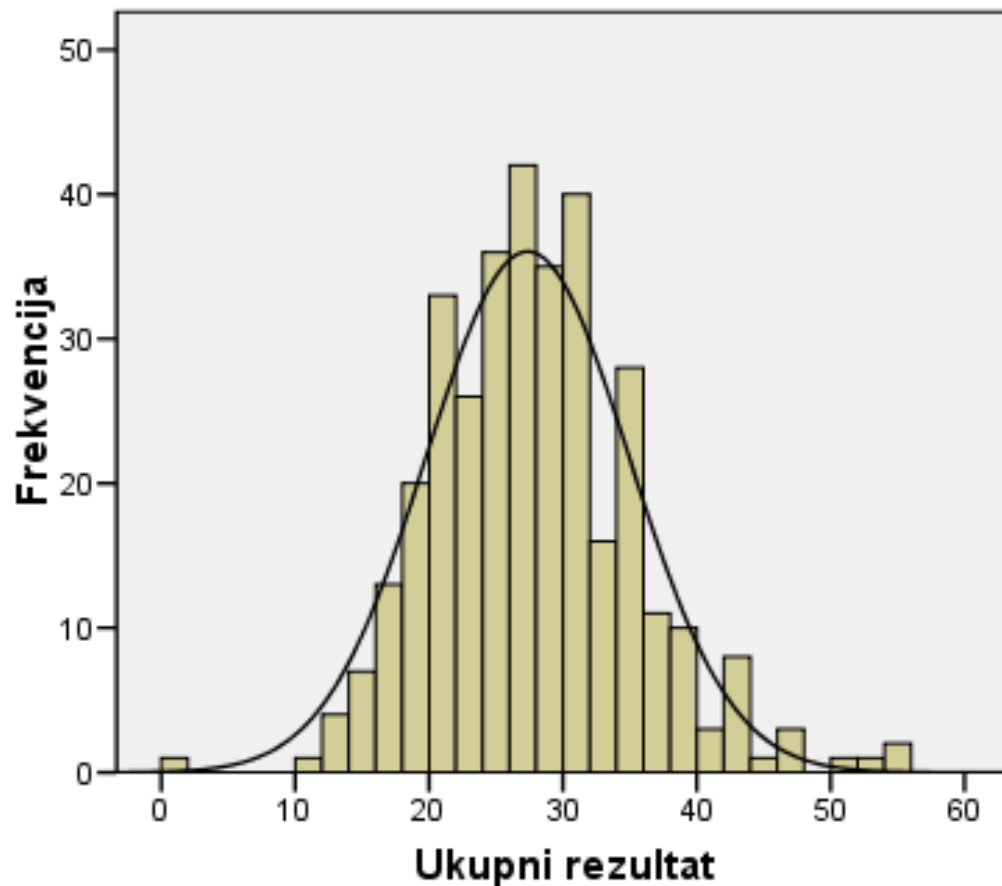
Rezultati probne državne mature

Deskriptivna statistika ukupnog rezultata

N		342
k		35
M		27,4
St. pogreška mjerenja		3,78
Medijan		27
Mod		26
St. devijacija		7,57
Raspon		55
Minimum		0
Maksimum		55
Percentili	25	22
	50	27
	75	31
Cronbachov α		0,75

Deskriptivna statistika ukupnog rezultata

Histogram



Mean =27,36
Std. Dev. =7,57
N =342

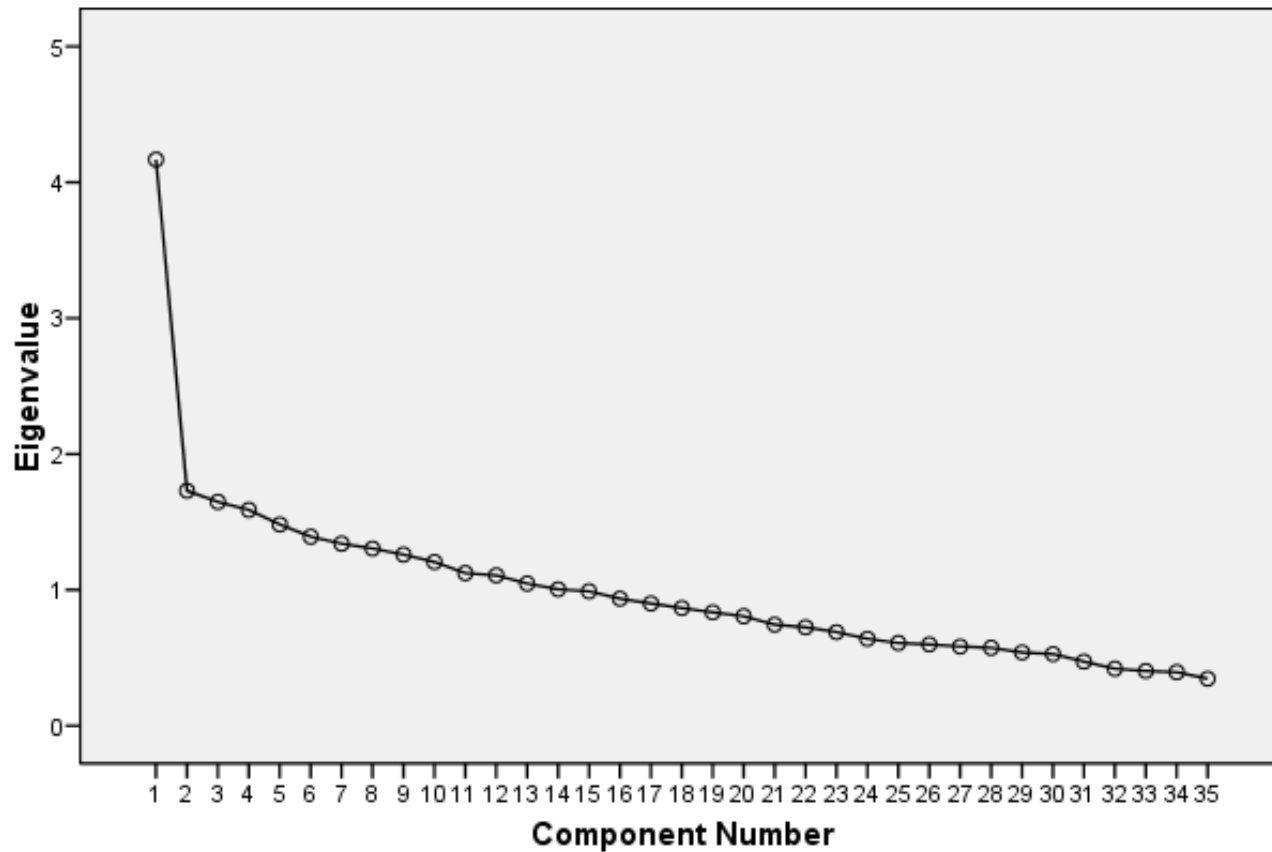


Pragovi ocjena i postotak učenika koji su
dobili pojedinu ocjenu

	1	2	3	4	5
Prag	-	20	26	34	43
%	13,5	27,7	38,9	16,1	3,8



Scree Plot



- 1 faktor, objašnjava 12% varijance



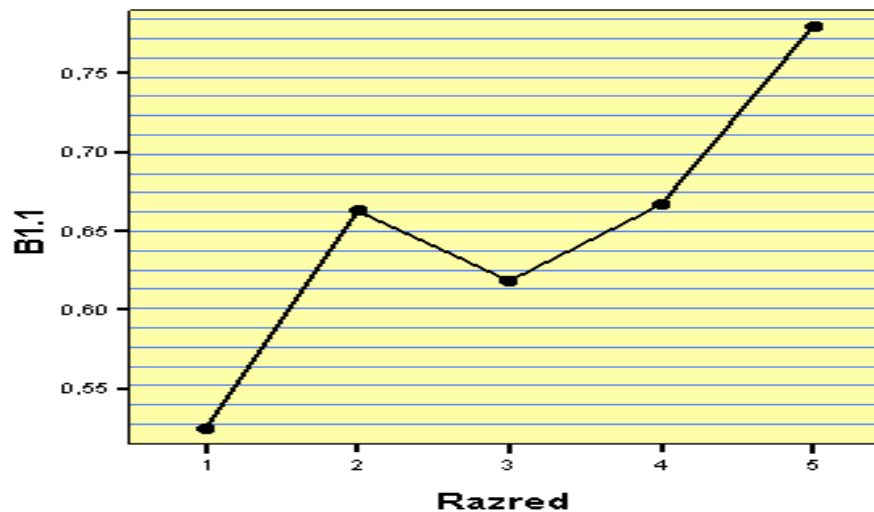
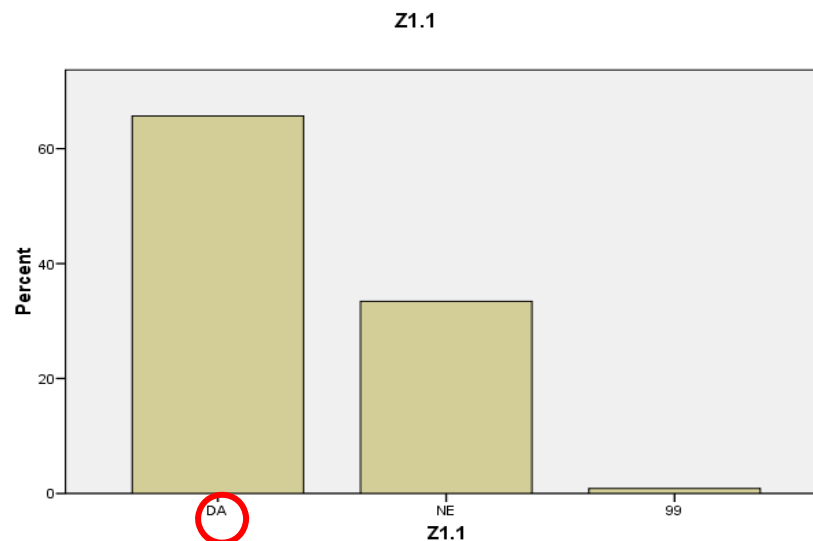
Težina zadatka	Redni broj zadataka
Vrlo težak (0 – 0,2)	9, 11, 15
Težak (0,21 – 0,4)	3.4, 7, 8, 13, 16
Srednje težak (0,41 – 0,6)	3.1, 4.1, 4.2, 5.1, 5.4, 6.1, 6.2, 6.4, 10, 14, 17
Lagan (0,61 – 0,80)	1.1, 1.2, 1.4, 2.2, 2.3, 2.4, 3.2, 4.3, 4.4, 5.3, 6.3, 12
Vrlo lagan (0,81 – 1)	1.3, 2.1, 3.3, 5.2

LOGIKA

I. 'Grozдови' zadatka alternativnoga izbora

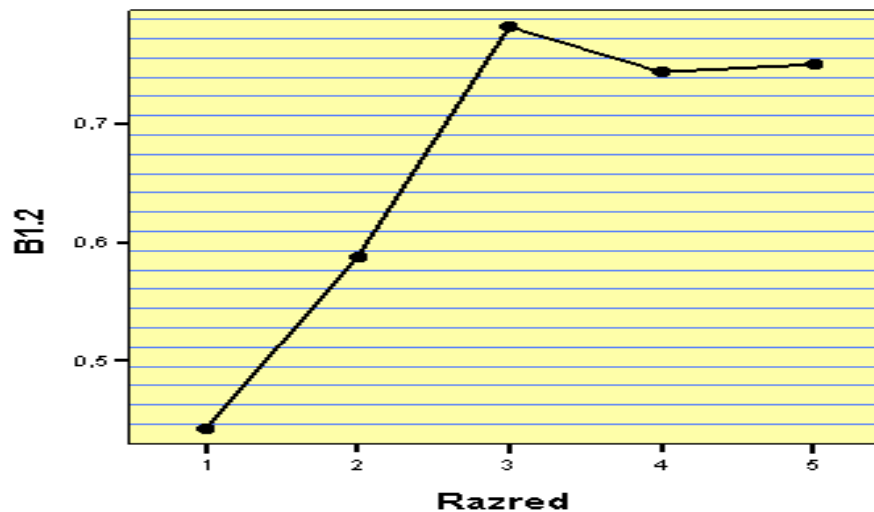
1.1. Ako su dva pojma međusobno protuslovnna, onda im...

M	0,65
M (O)	0,6
ID	0,10



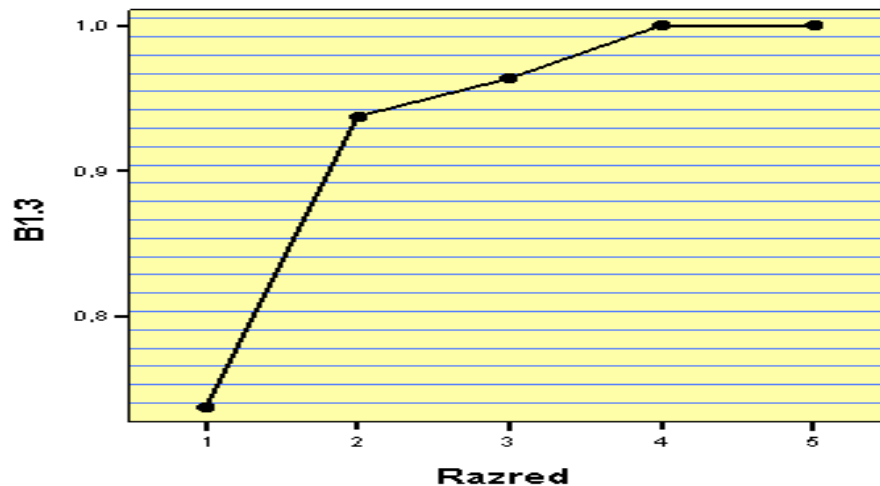
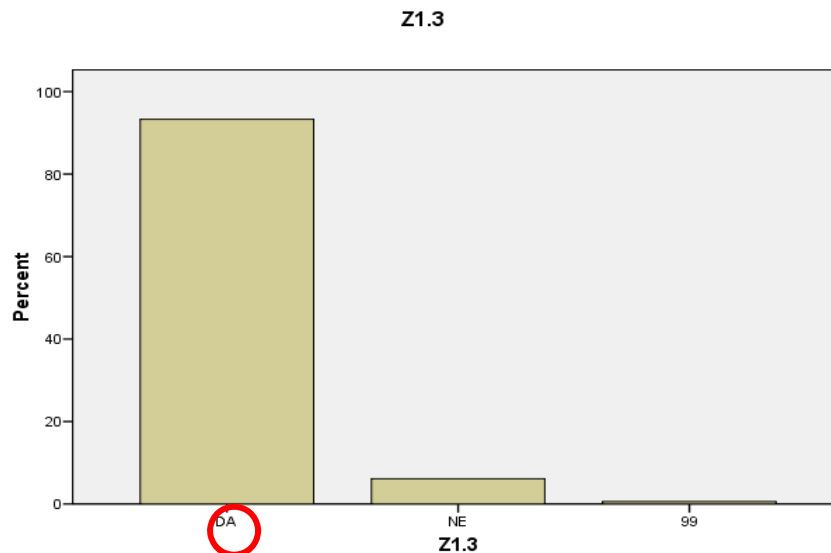
1.2. Ako barem jedan član opsega prvoga pojma nije u opsegu drugoga pojma, onda bi prvi pojam...

M	0,66
M (O)	0,5
ID	0,22



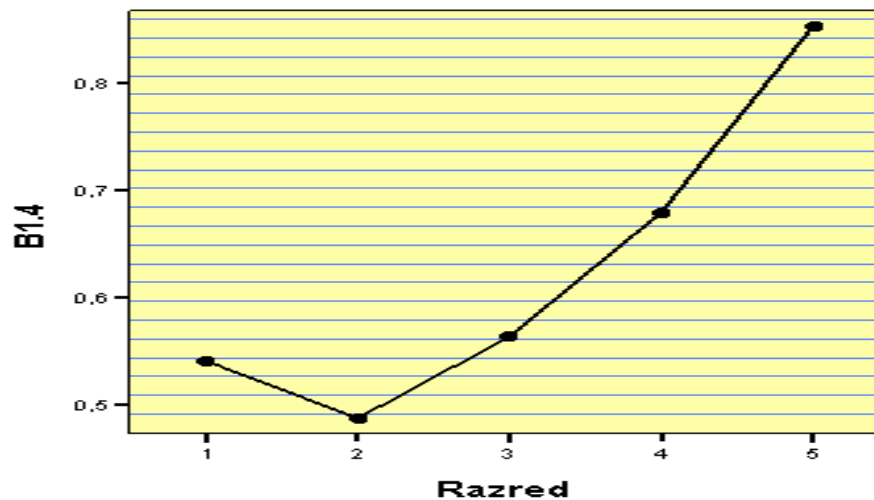
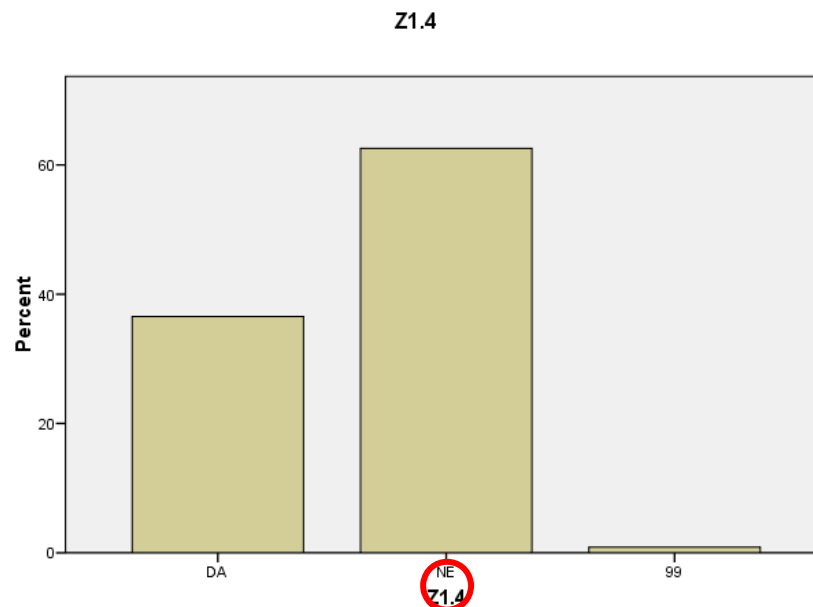
1.3. Ako je prvi pojam nadređen drugomu, drugi je pojam podređen prvomu.

M	0,93
M (O)	0,5
ID	0,28



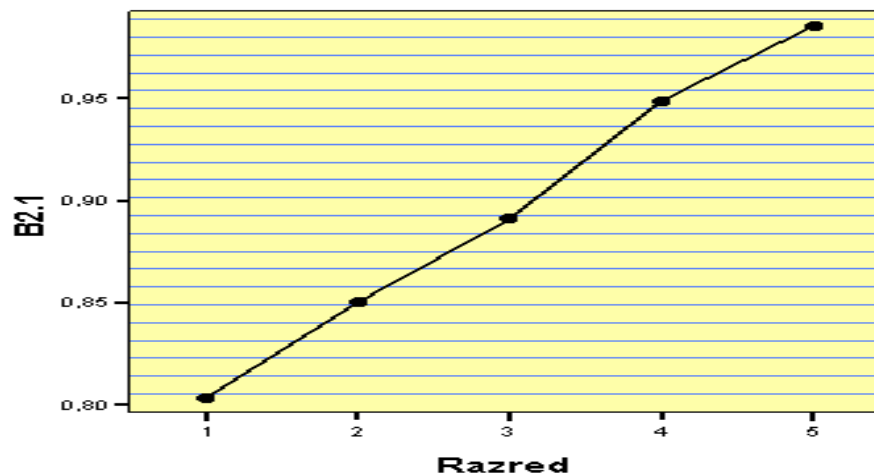
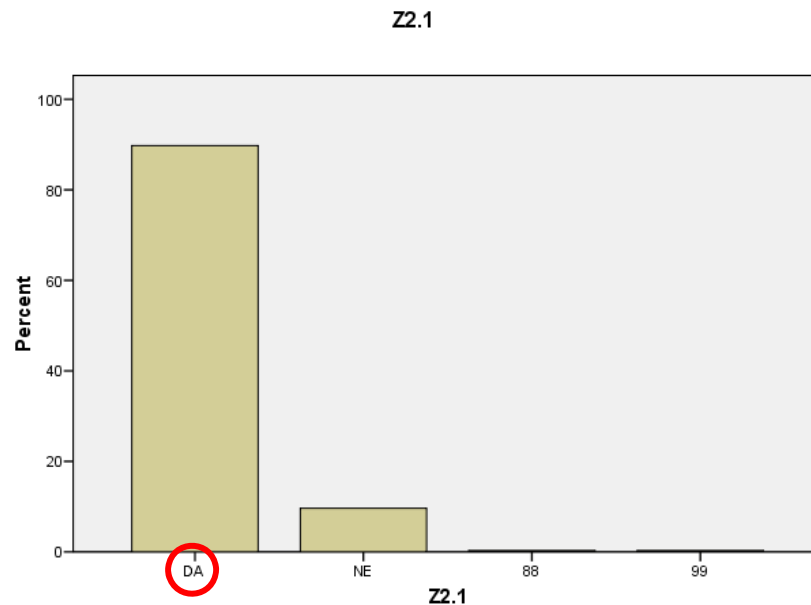
1.4. Ako dva pojma imaju isti opseg, onda su oni ukršteni.

M	0,63
M (O)	0,5
ID	0,20



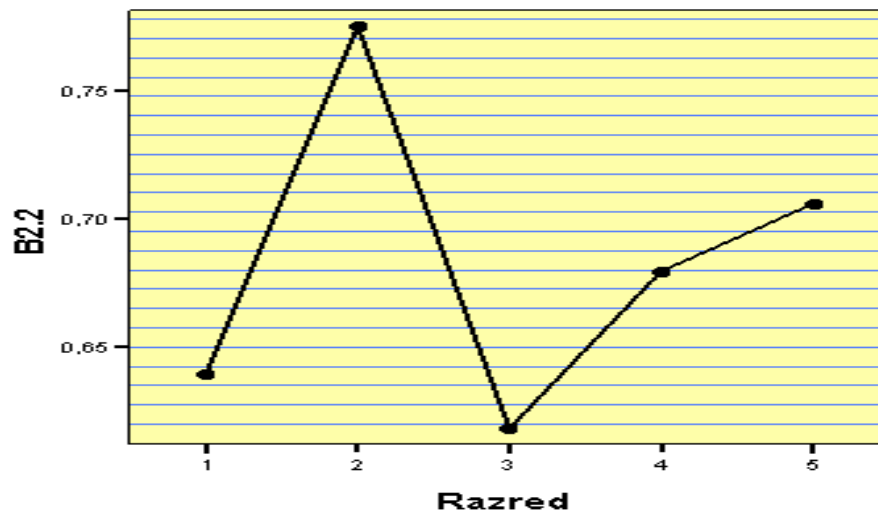
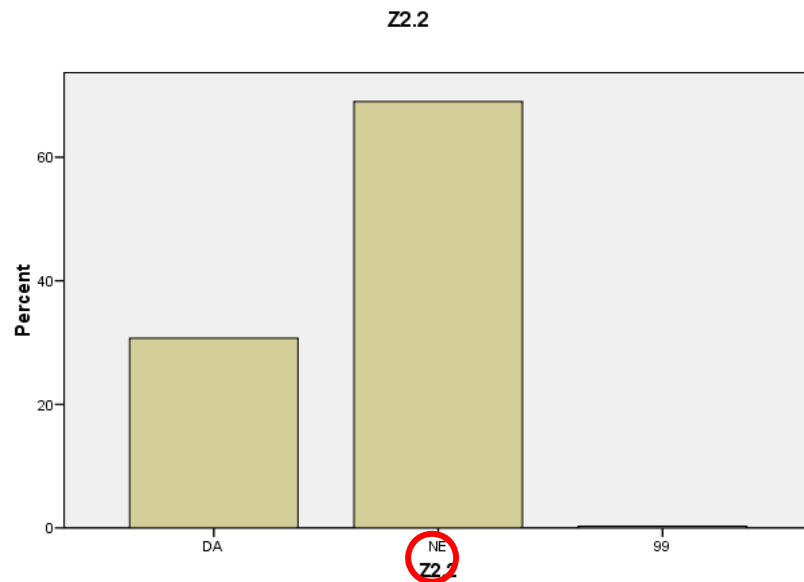
2.1. Pravilan prijevod rečenica “ Ako sam tužan, plače mi se” je $T \rightarrow P$.

M	0,90
M (O)	0,5
ID	0,19



2.2. Pravilan prijevod rečenice “ Samo ako mi se plače, tužan sam” je $P \rightarrow T$.

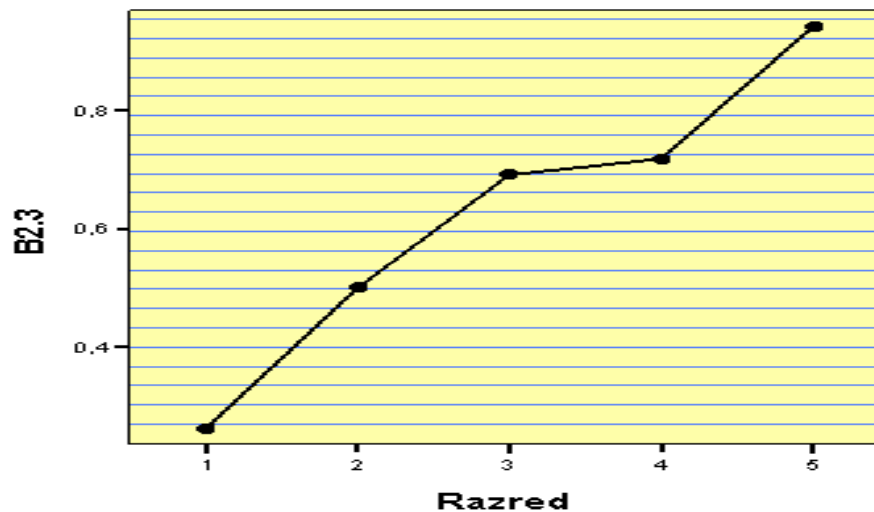
M	0,69
M (O)	0,5
ID	-0,02



2.3. Pravilan prijevod rečenice “ Ako mi se plače, sretan sam ili sam tužan je

$$P \rightarrow (S \wedge T)$$

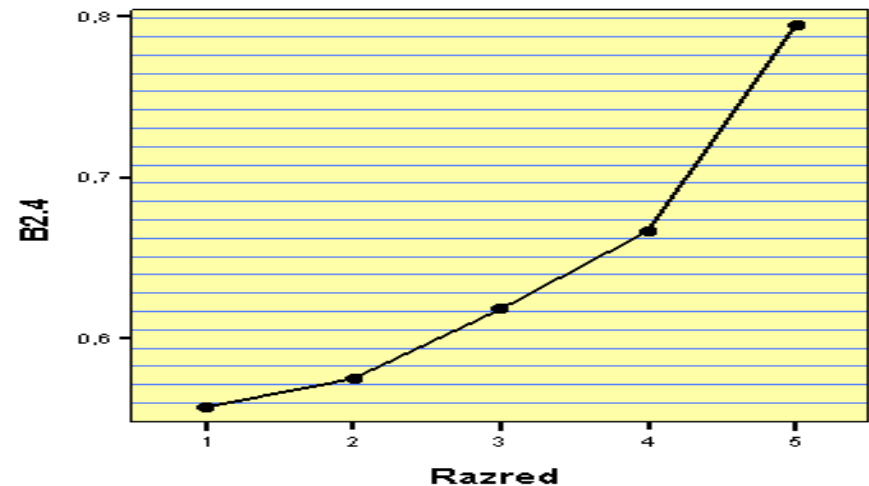
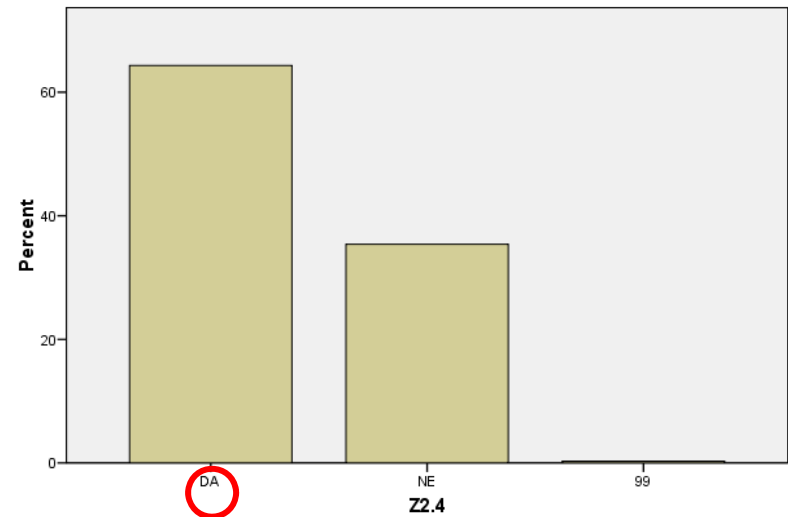
M	0,63
M (O)	0,5
ID	0,38



2.4. Pravilan prijevod rečenice “ Bilo da sam sretan, bilo da sam tužan, plače mi se” je (S V T) → P

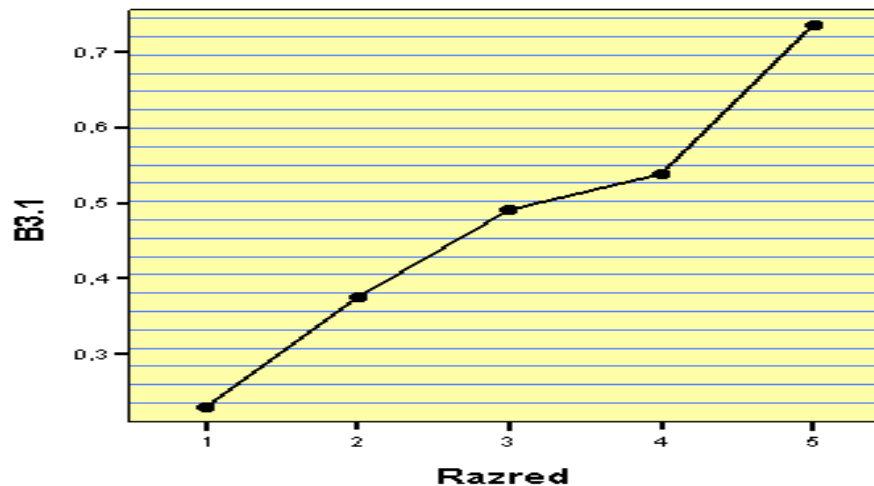
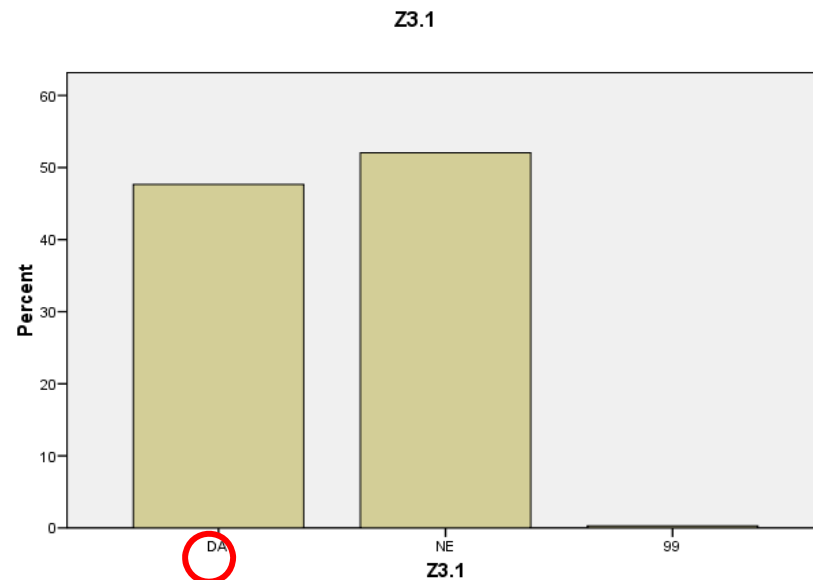
M	0,64
M (O)	0,5
ID	0,12

Z2.4



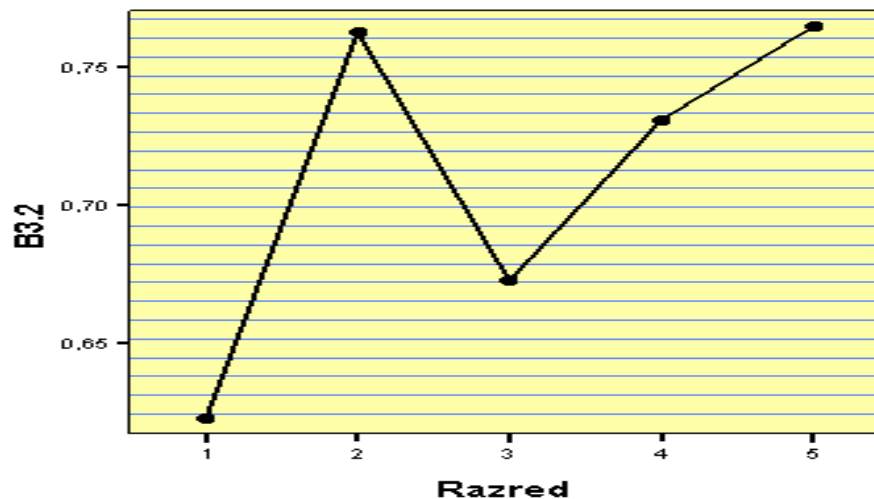
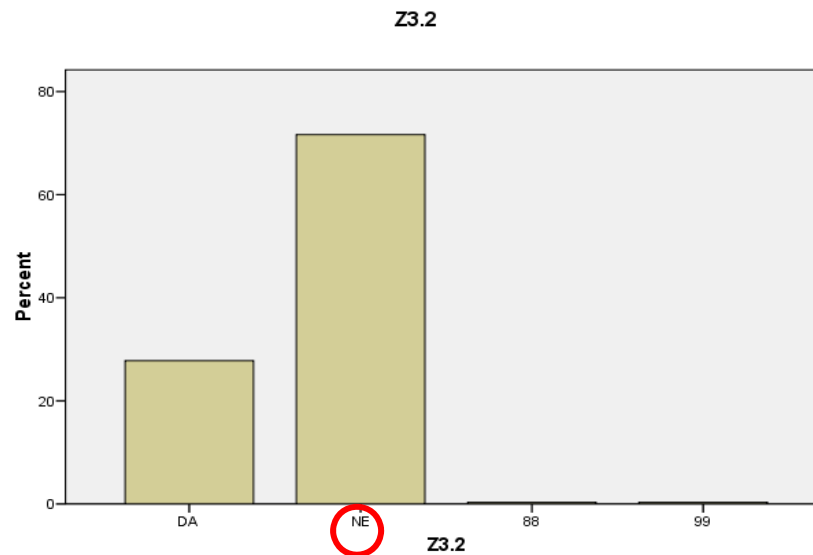
3.1. Rečenica 'Ako volim ljetu, ne volim zimu' istovrijedna je rečenici...

M	0,48
M (O)	0,5
ID	0,27



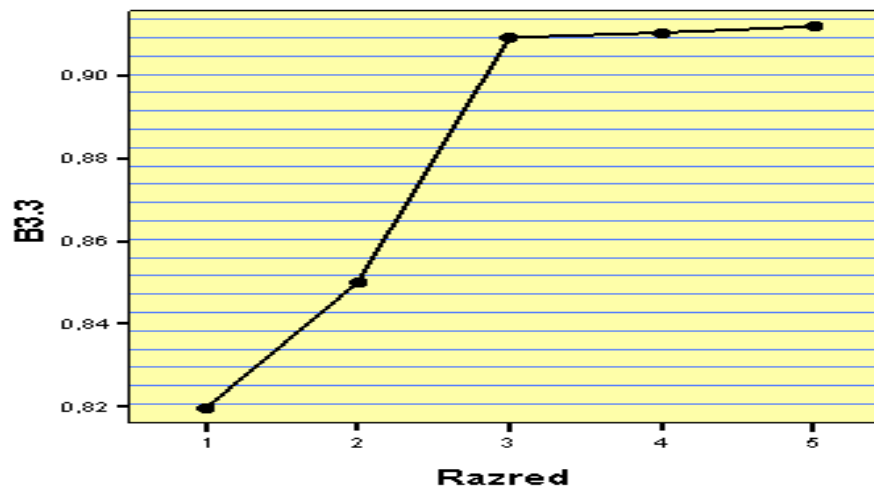
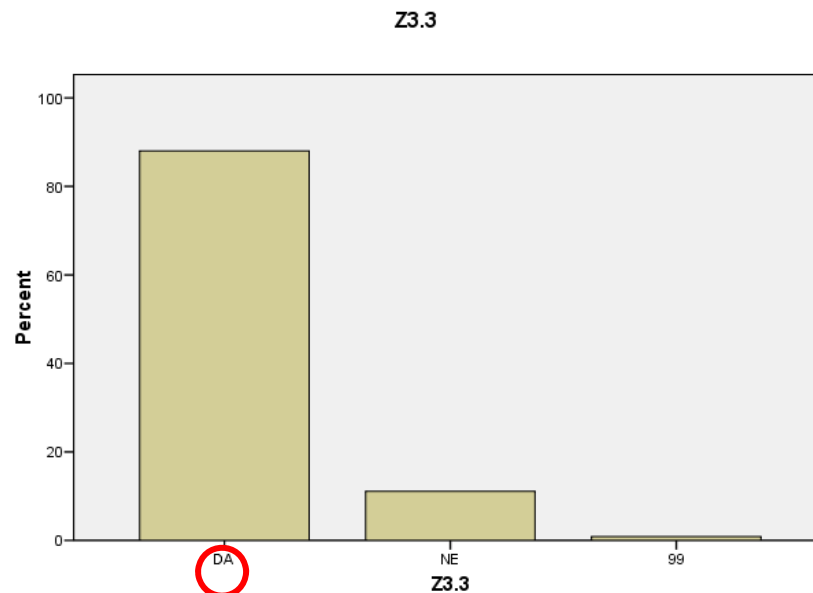
3.2. Rečenica 'Nije slučaj da volim i zimu i ljetu' istovrijedna je rečenici 'Ne volim zimu i volim ljetu' .

M	0,72
M (O)	0,5
ID	0,07



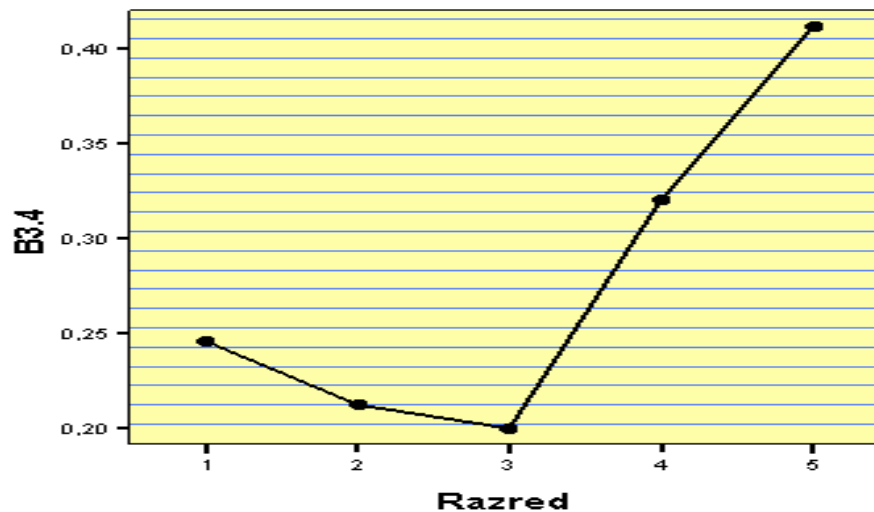
3.3. Rečenica 'Volim ljetu i ne volim zimu' istovrijedna je rečenici 'Ne volim zimu i volim ljetu'.

M	0,88
M (O)	0,5
ID	0,08



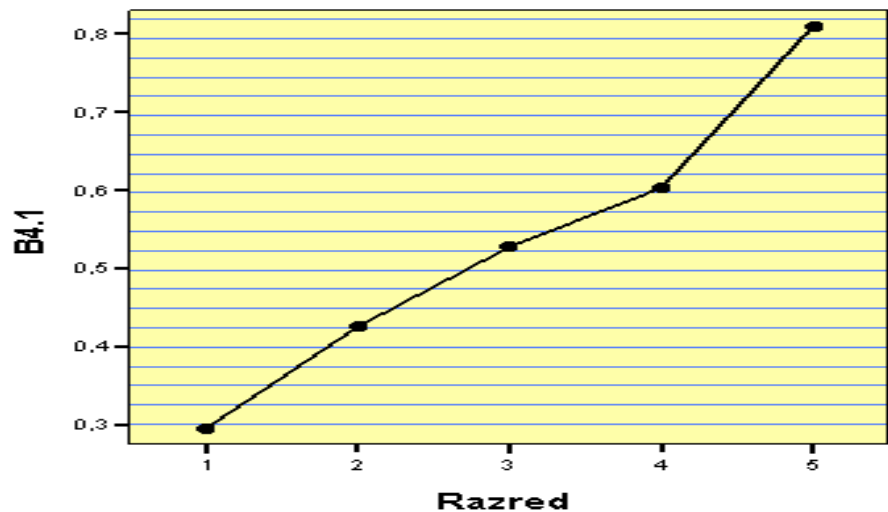
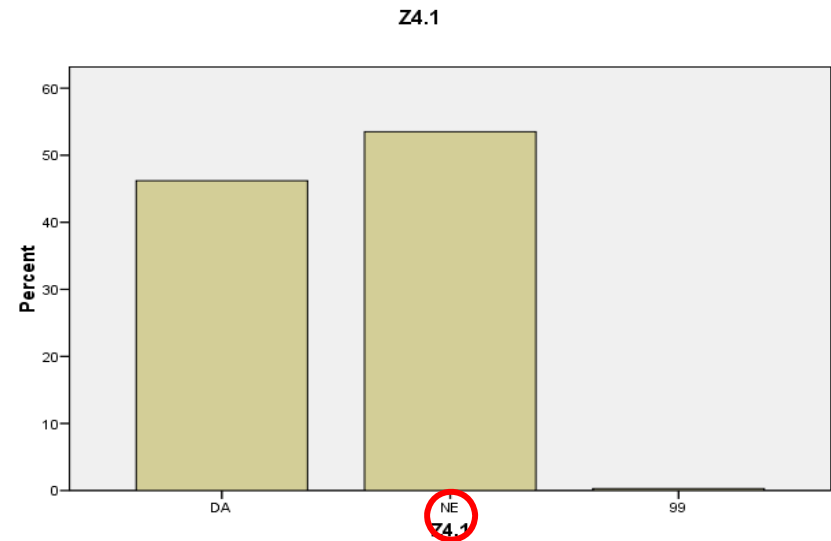
3.4. Rečenica 'Volim zimu' istovrijedna je rečenici 'Ako volim zimu, onda volim zimu'.

M	0,28
M (O)	0,5
ID	0,15



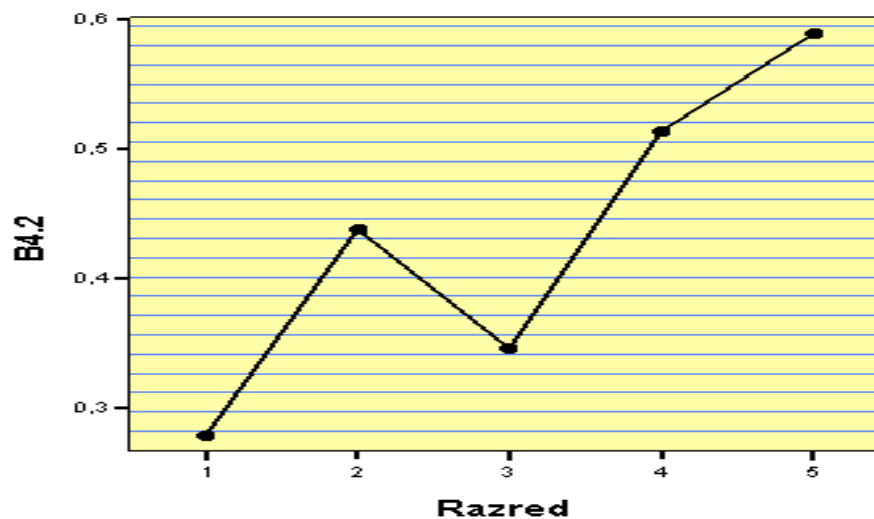
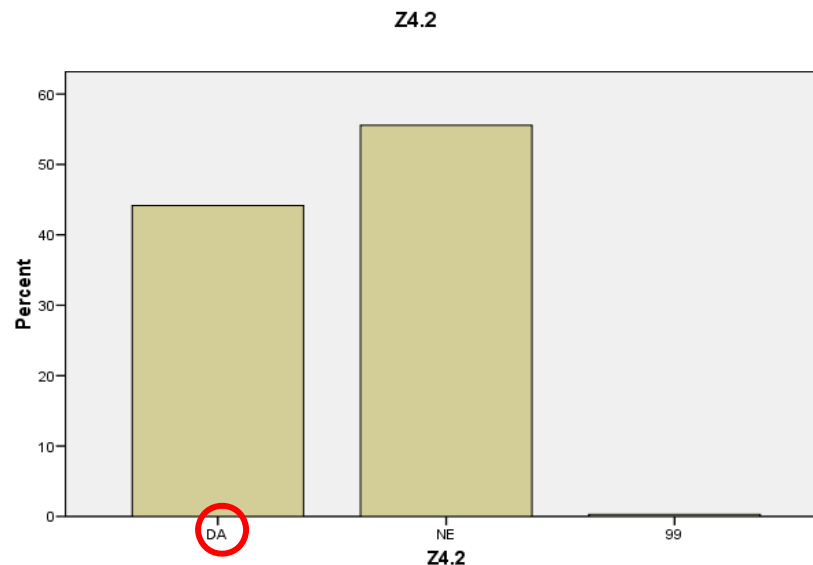
4.1. Konkluzija gornjega zaključka glasi ' Ni jedna od stvari koje nastaju u nama...

M	0,54
M (O)	0,6
ID	0,31



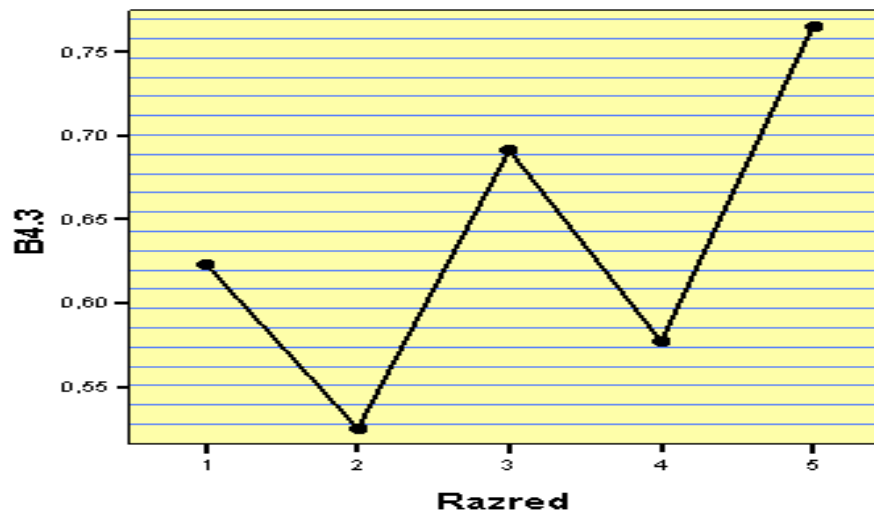
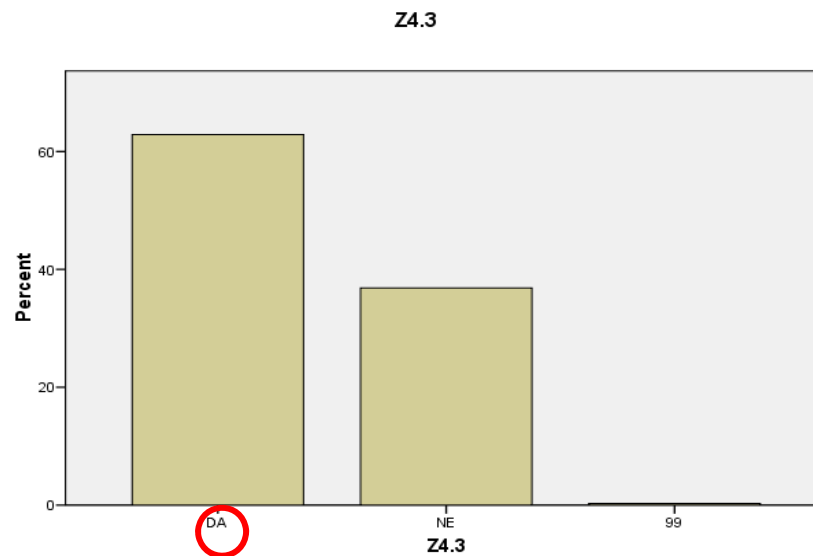
4.2. Premisa koja bi gornji zaključak učinila valjanim glasi ' Svaka ćudoredna krepost...

M	0,44
M (O)	0,6
ID	0,18



4.3. Premisa gornjega zaključka je ‘ Ni jedna od stvari koje nastaju u nama...

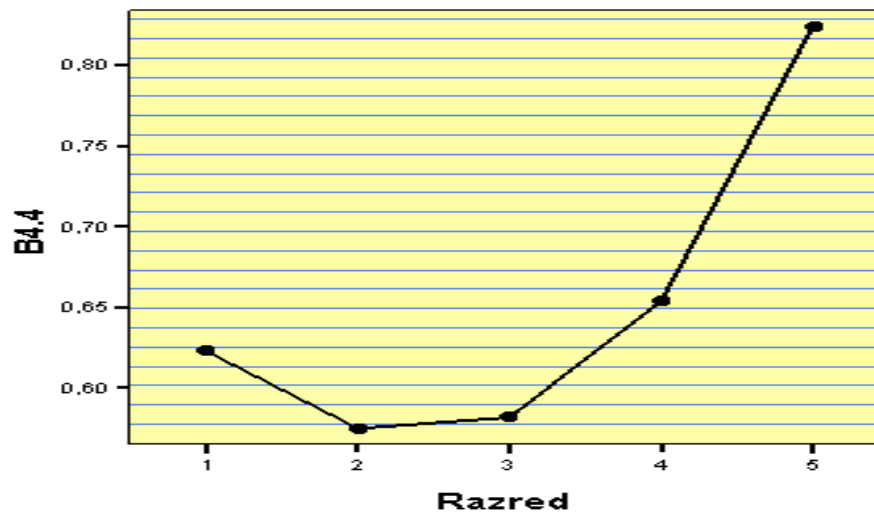
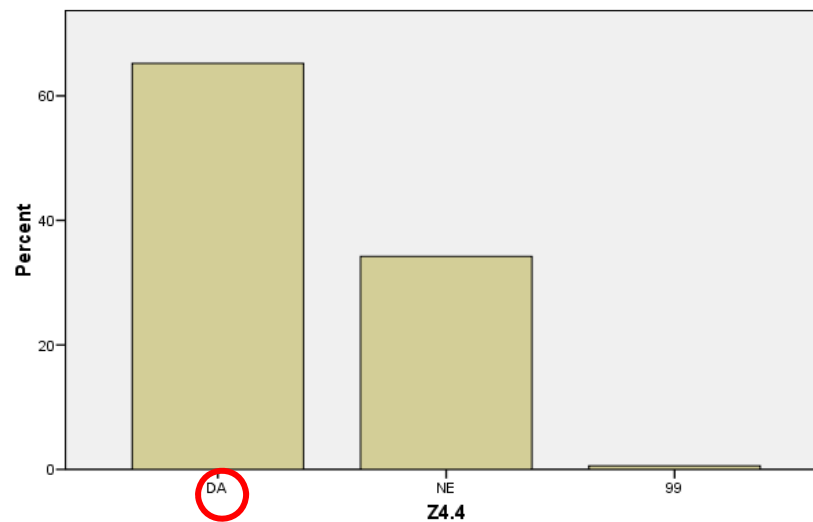
M	0,63
M (O)	0,6
ID	0,07



4.4. Konkluzija gornjega zaključka je ' Ni jedna od čudorednih kreposti ne nastaje...

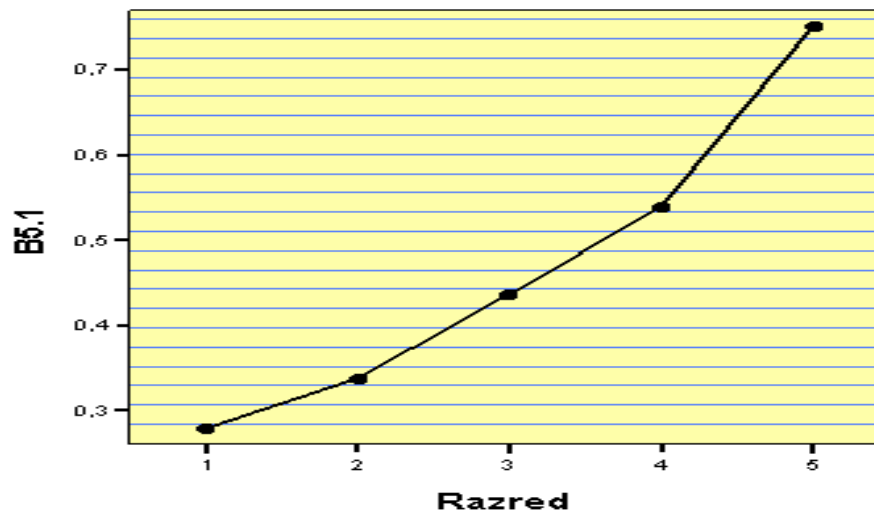
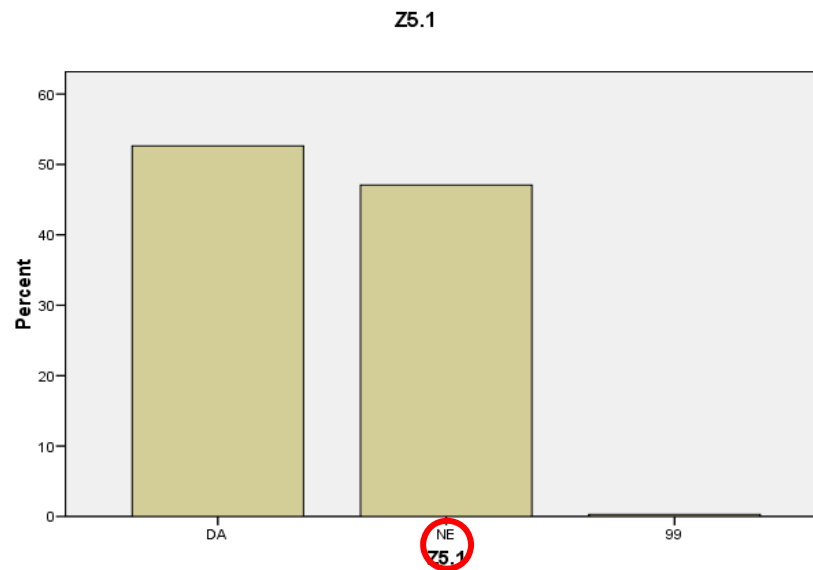
M	0,65
M (O)	0,6
ID	0,12

Z4.4



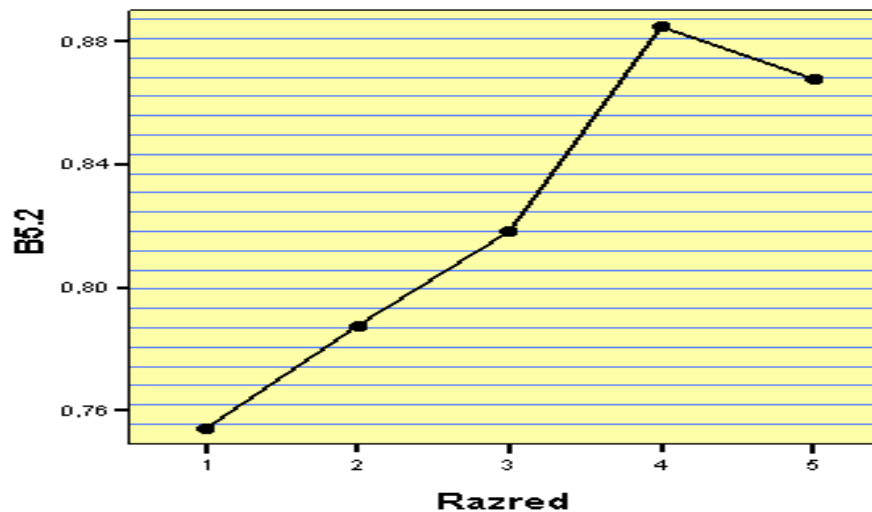
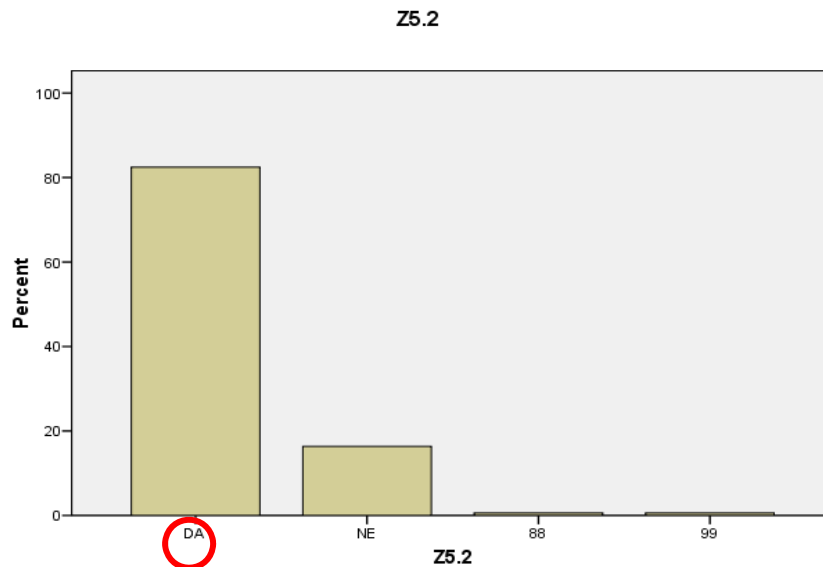
5.1. Odisej je spasio prijatelje samo ako je uspio prevariti Polifema. Dakle, Odisej je...

M	0,47
M (O)	0,6
ID	0,28



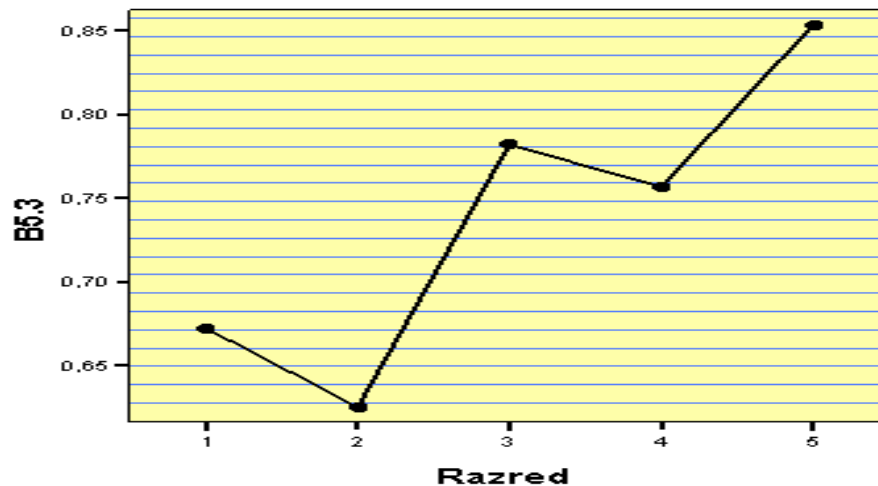
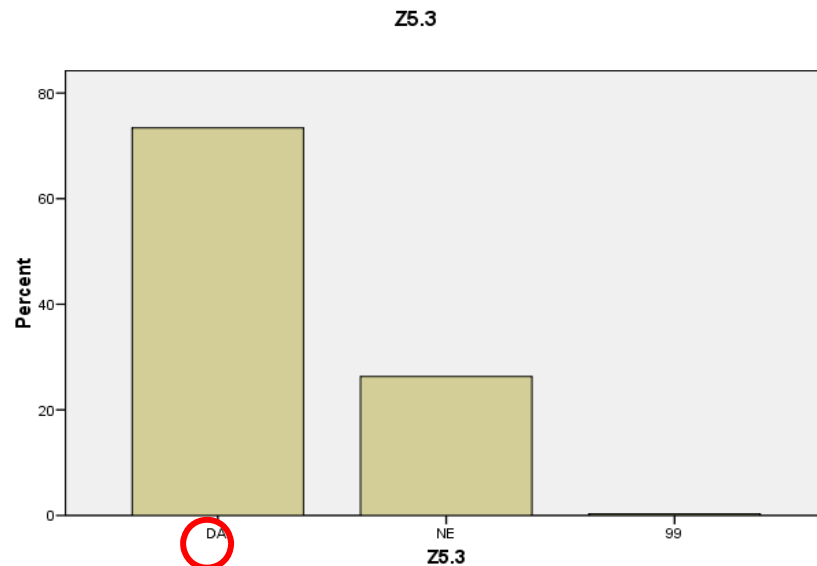
5.2. Odisej je imao sreće jer nitko tko nije imao sreće nije prevario Polifema, a Odisej...

M	0,82
M (O)	0,7
ID	0,04



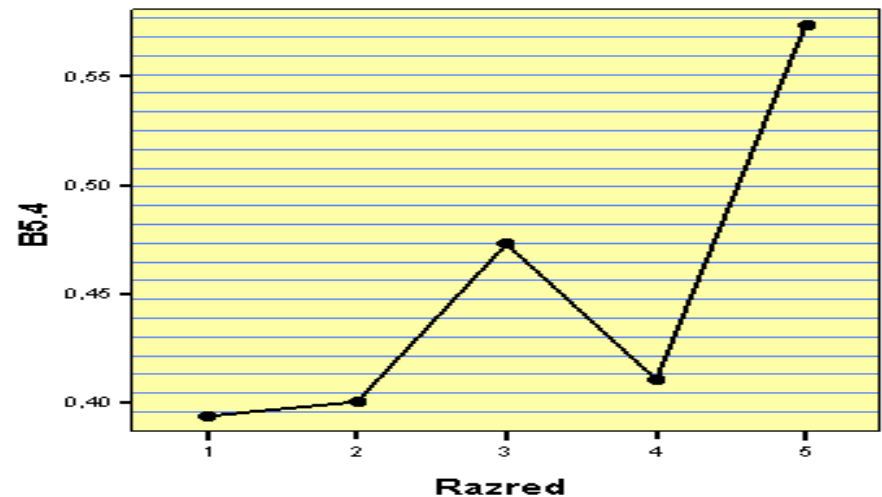
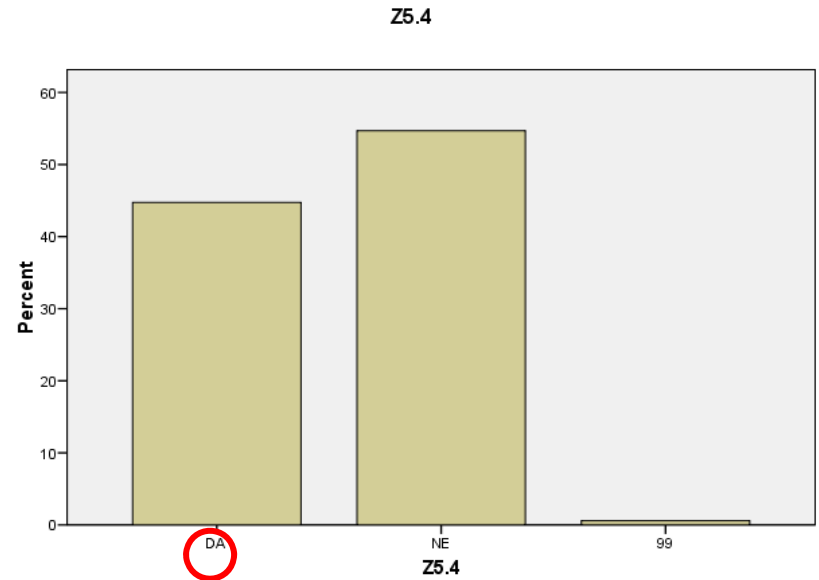
5.3. Odisej Polifema nije prevario, ukoliko mu se nije lažno predstavio. Dakle, Odisej se...

M	0,73
M (O)	0,7
ID	0,13



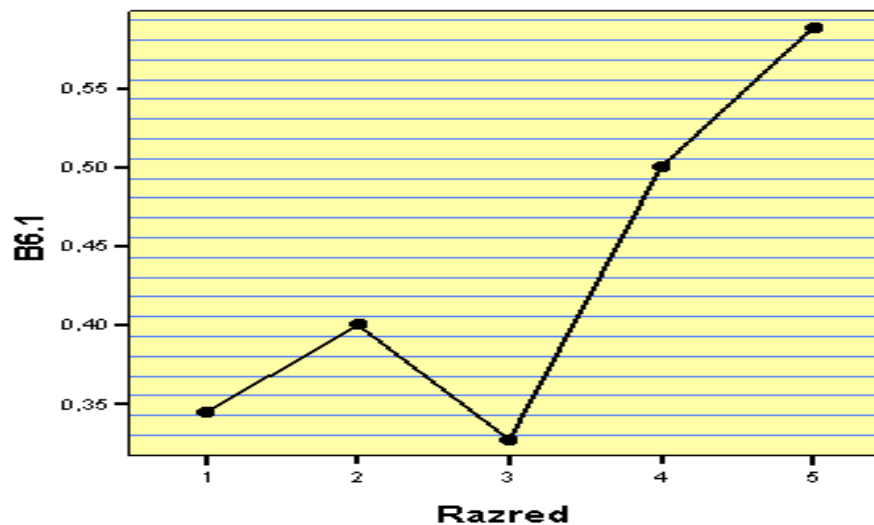
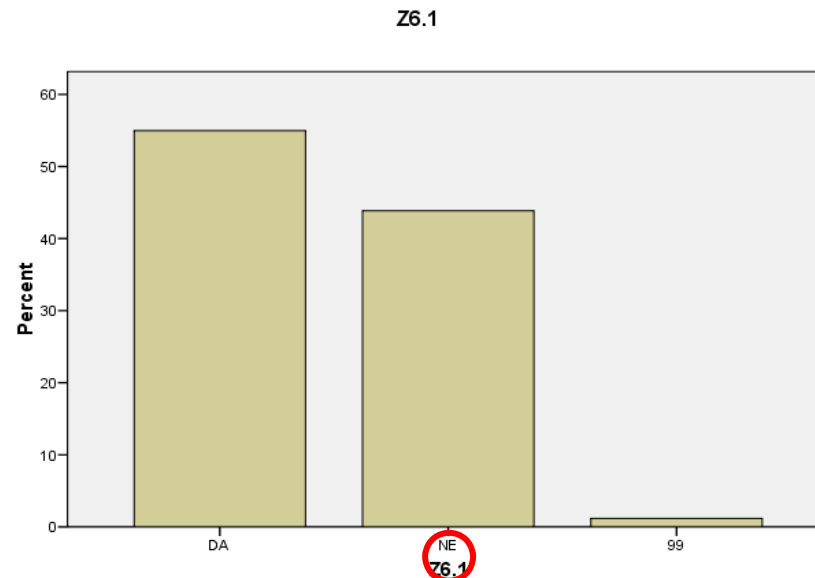
5.4. Ako se Odisej Polifemu nije lažno predstavio, a uspio ga je uspavati...

M	0,45
M (O)	0,4
ID	0,08



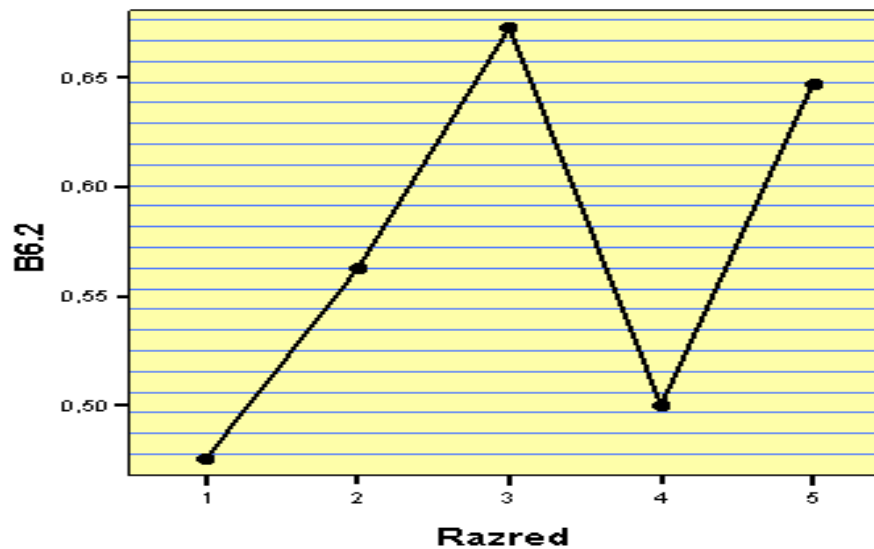
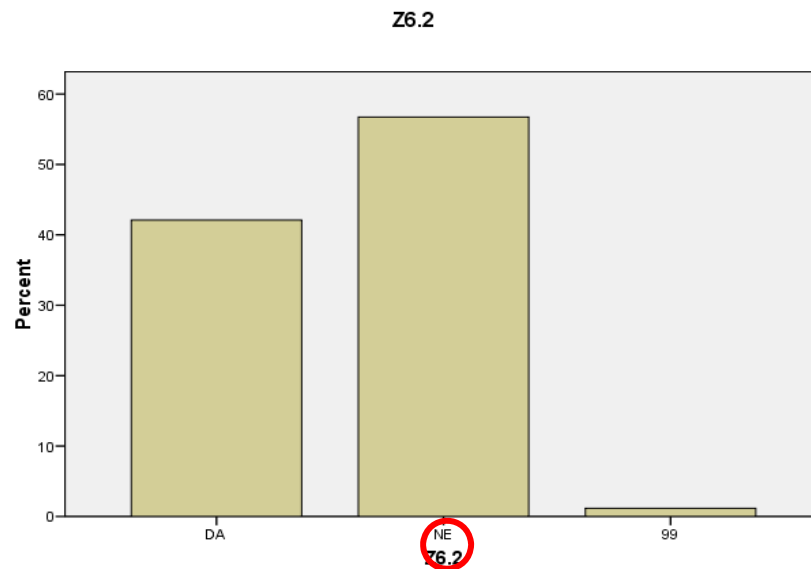
6.1. Zadani je zaključak neposredan zaključak.

M	0,44
M (O)	0,6
ID	0,10



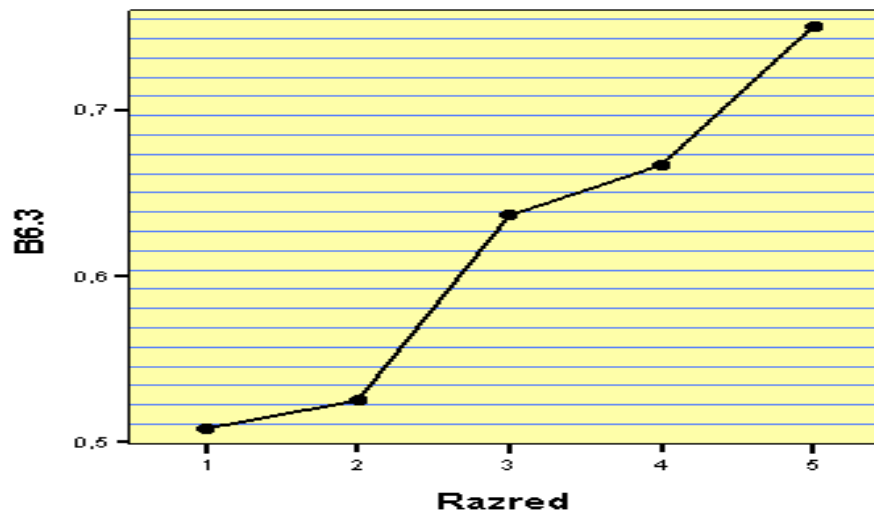
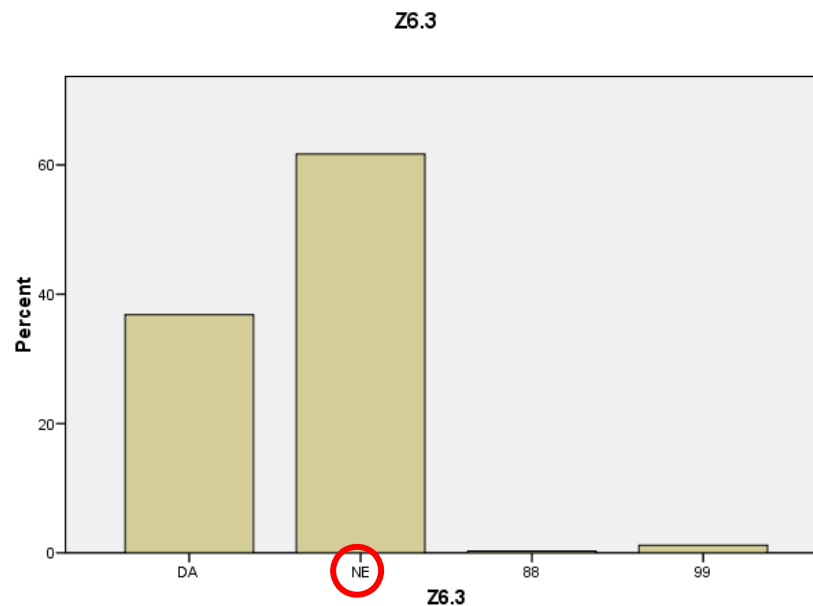
6.2. Zadani je zaključak induktivan zaključak.

M	0,57
M (O)	0,6
ID	0,06



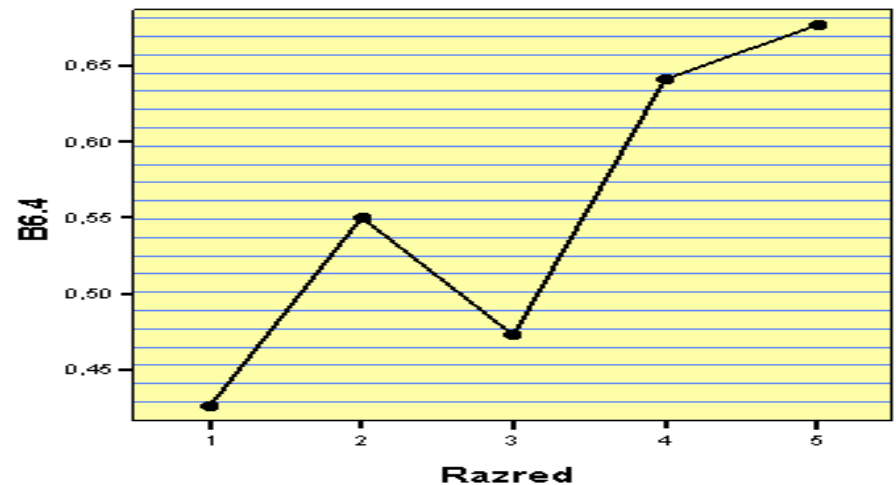
6.3. Zadani je zaključak disjunktivni zaključak.

M	0,62
M (O)	0,6
ID	0,11



6.4. Zadani zaključak ima oblik kojega nazivamo *modus tollendo tollens*.

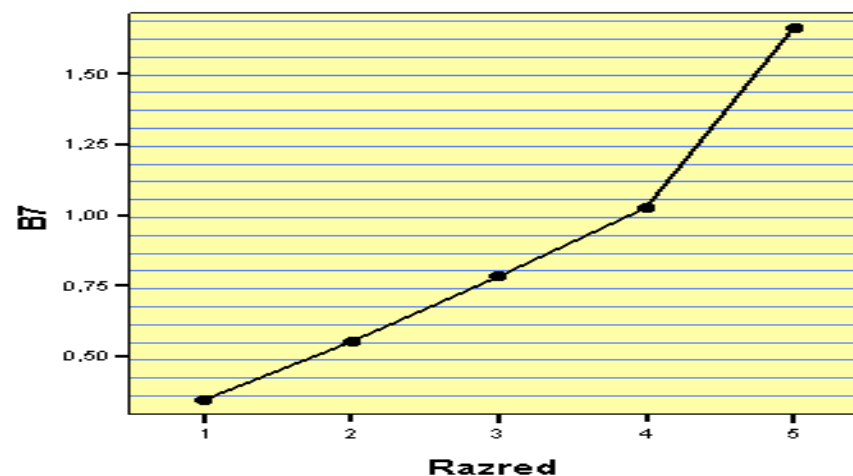
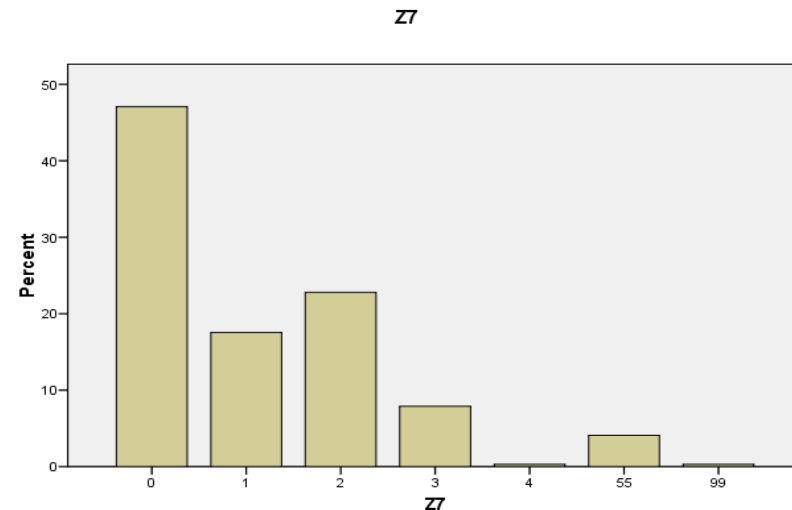
M	0,56
M (O)	0,6
ID	0,11



II. 'Grozдови' zadatka dopunjavanja

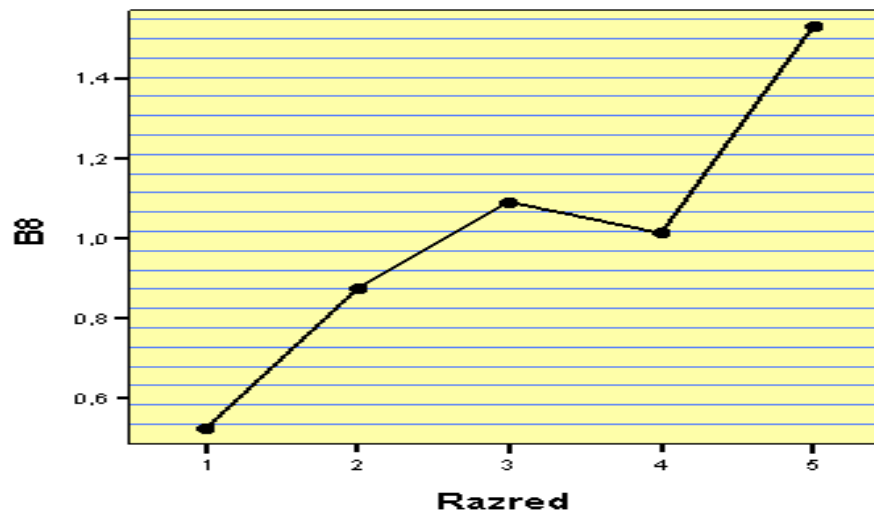
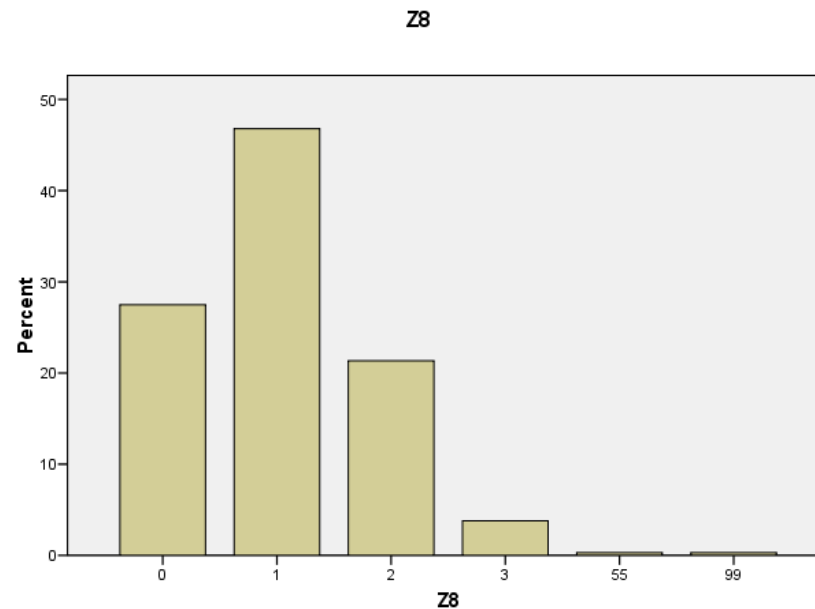
7. Na slici povežite strjelicama sve one i samo one pojmove koji su u odnosu podređenosti...

M	0,88 (0,22)
M (O)	0,9 0,9 0,85 0,85
ID	0,34



8. Ponuđeni su sljedeći odnosi:

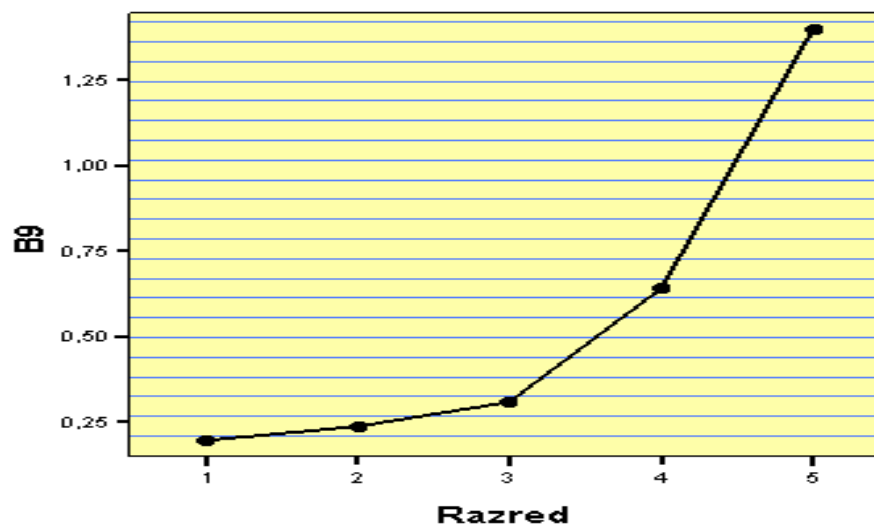
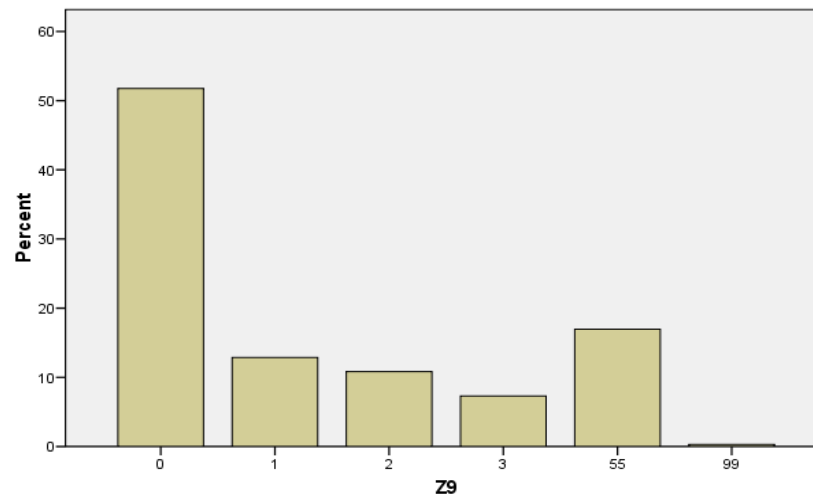
M	1,01 (0,34)
M (O)	0,5 0,5 0,5
ID	0,31



9. Zadani su sljedeći iskazi (propozicije):

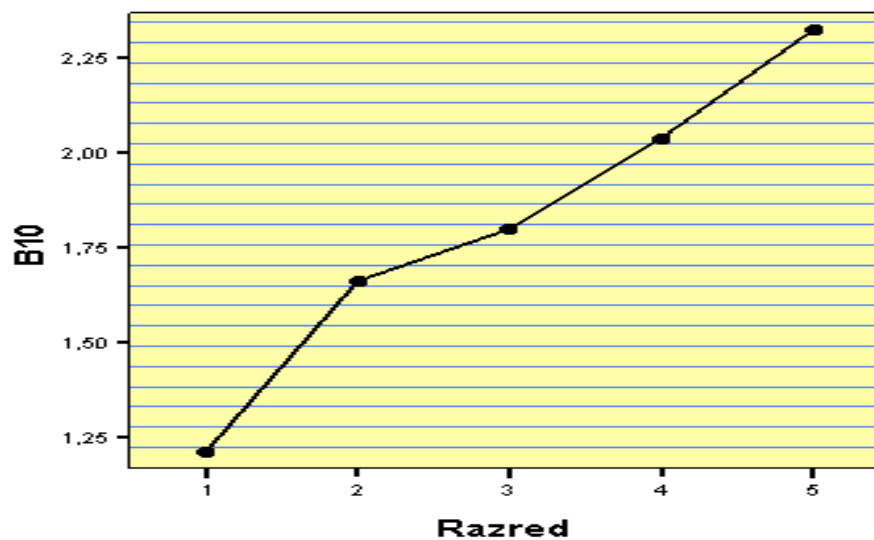
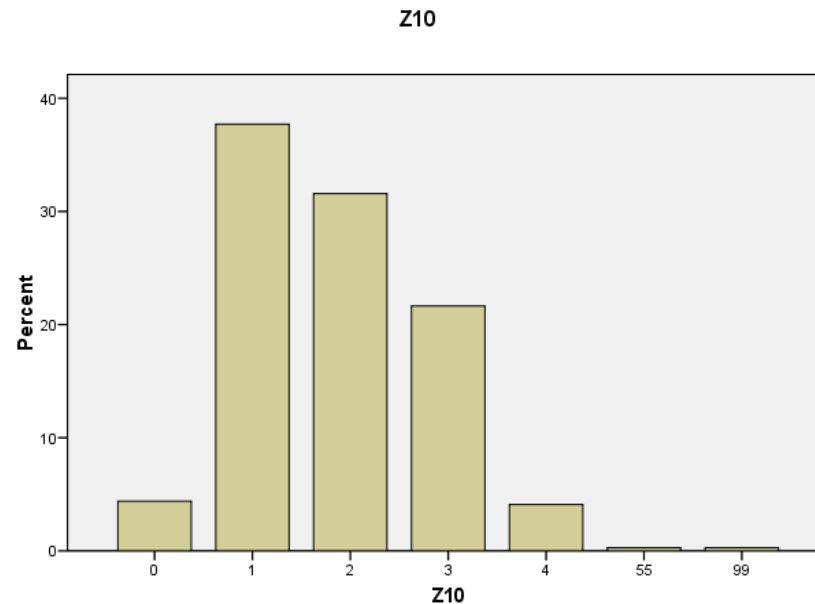
M	0,56 (0,19)
M (O)	0,5
ID	0,40

Z9



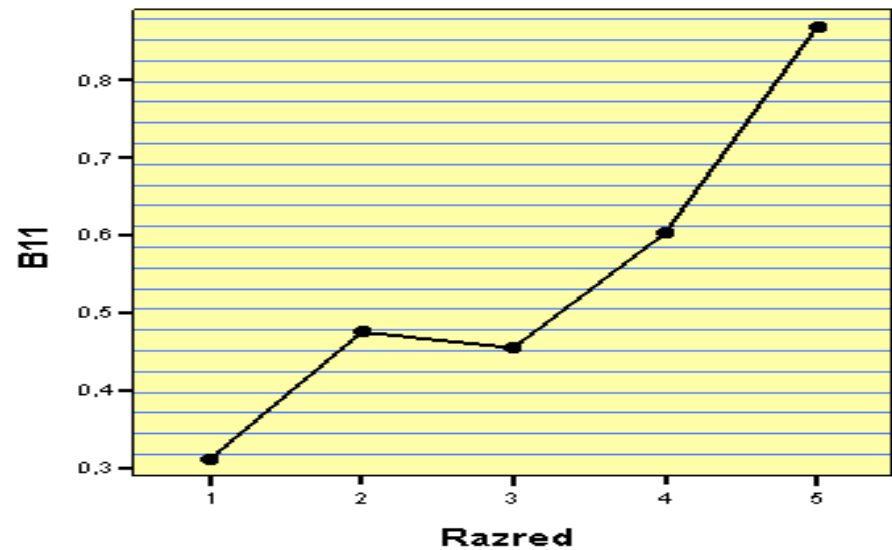
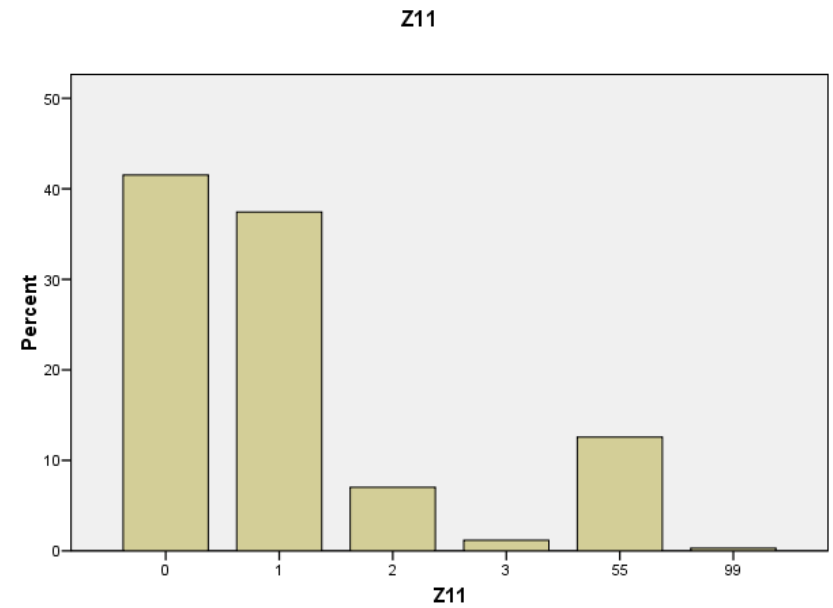
10. Dopunite rečenice riječima 'istina' i 'neistina'.

M	1,82 (0,46)
M (O)	0,8
	0,8
	0,65
0,55	
ID	0,31



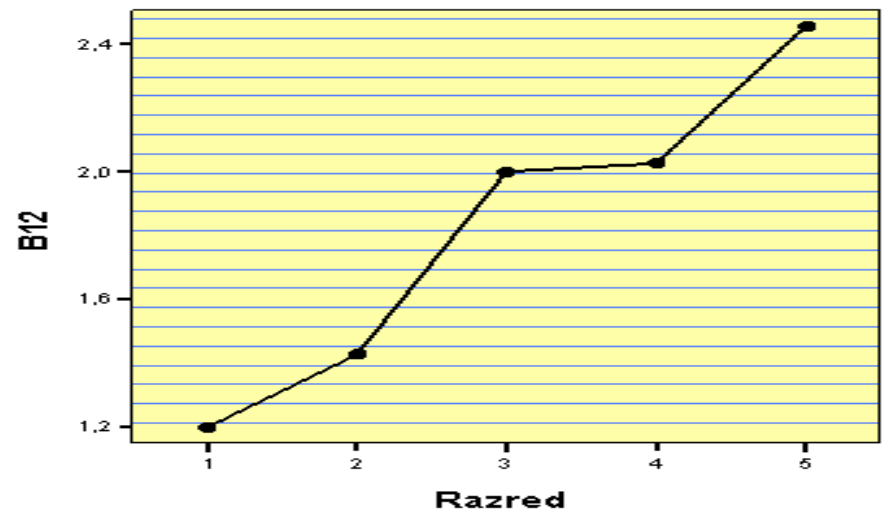
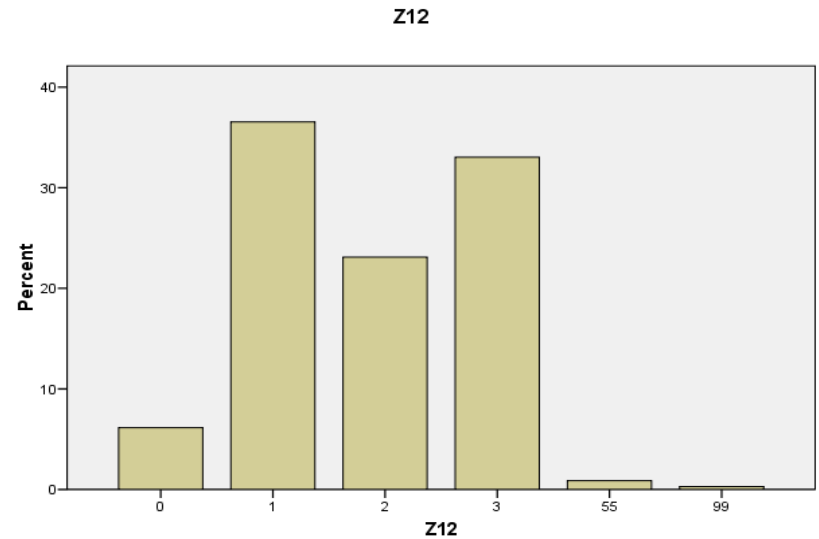
11. Zadana su tri skupa iskaza.

M	0,55 (0,18)
M (O)	0,5 0,5 0,6
ID	0,26



12. Dopunite tekst izrazima koji nedostaju birajući između sljedećih dvaju: *'jest'*, *'nije'*.

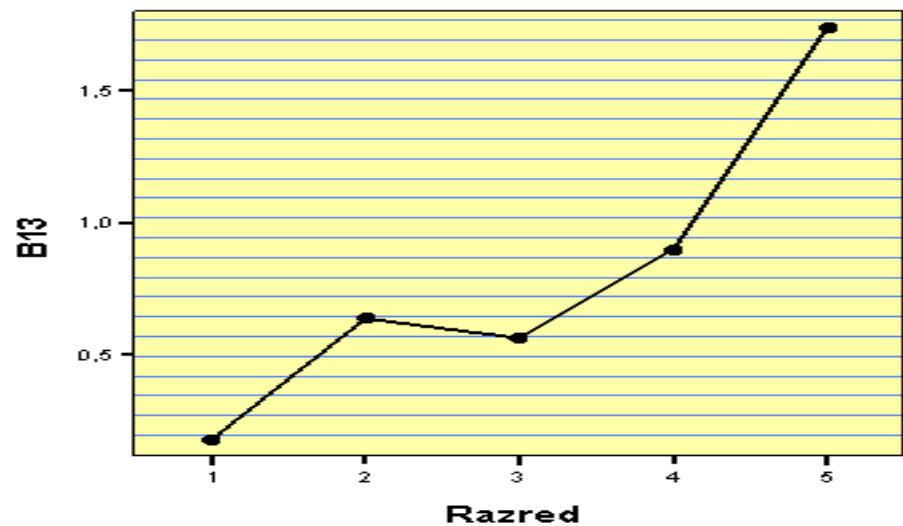
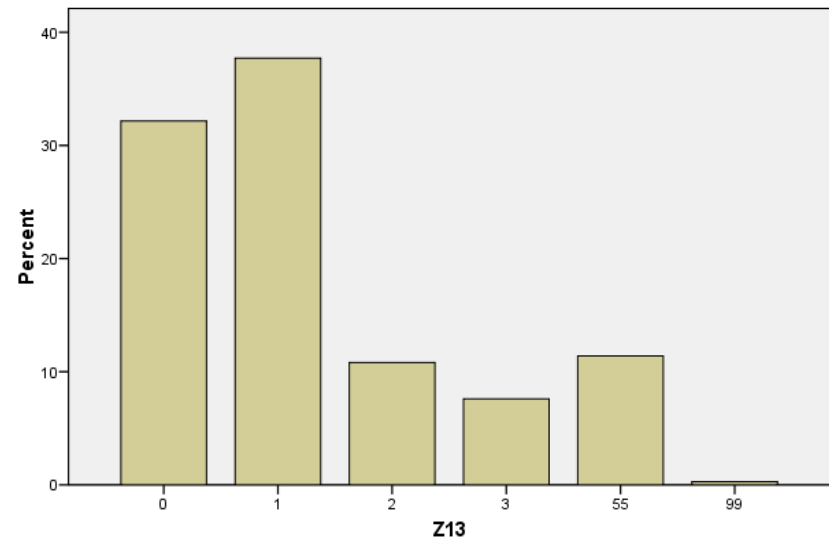
M	1,82 (0,61)
M (O)	0,6
ID	0,37



13. Zadatak – U Vennov dijagram ucrtajte zadane sudove.

M	0,82 (0,27)
M (O)	0,5 0,5 0,5
ID	0,51

Z13

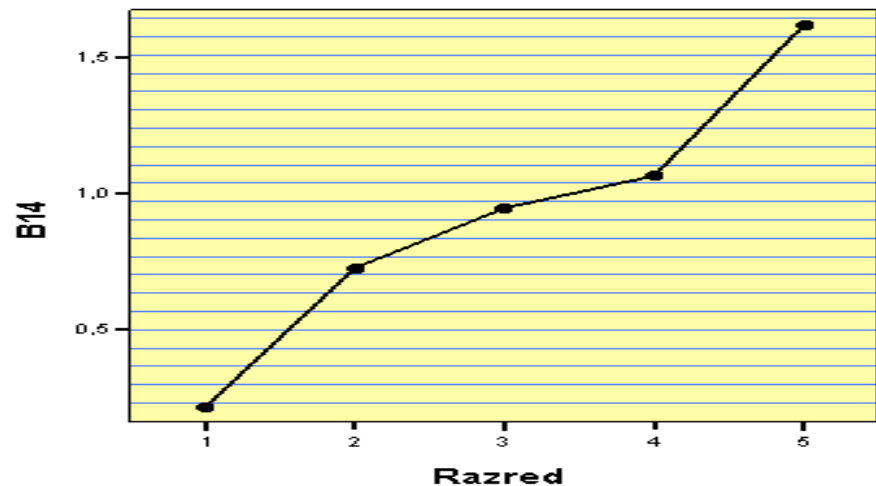
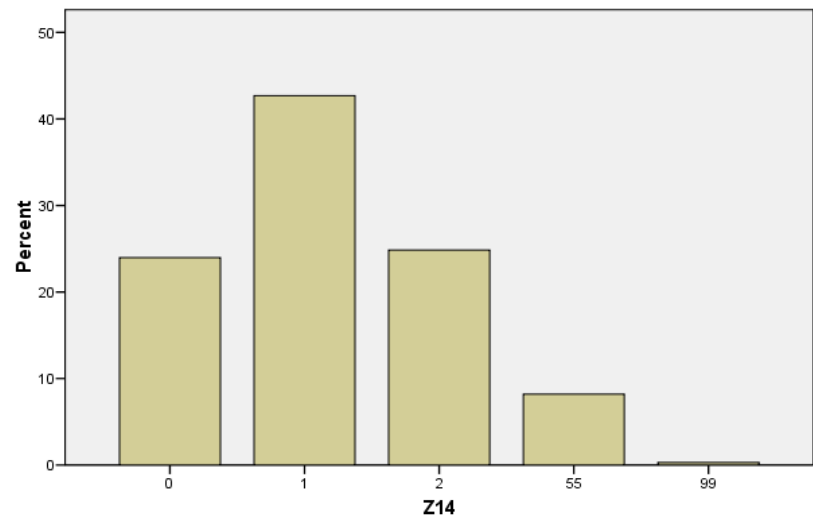


III. Zadatci kratkih odgovora

14. Zadan je neistinit sud:

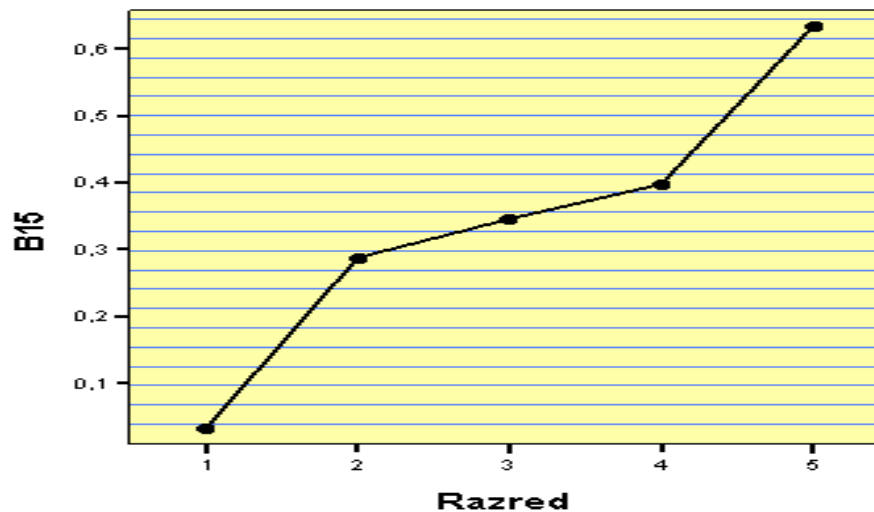
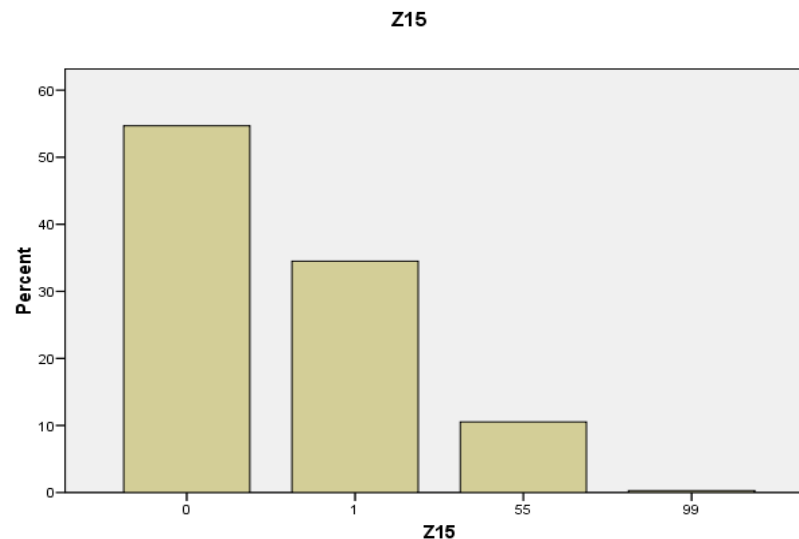
M	0,92 (0,46)
M (O)	0,6 0,6
ID	0,54

Z14



15. Proučite sljedeću rečenicu... Napišite jednu rečenicu koja **protuslovi** navedenoj...

M	0,35 (0,17)
M (O)	0,6
ID	0,36

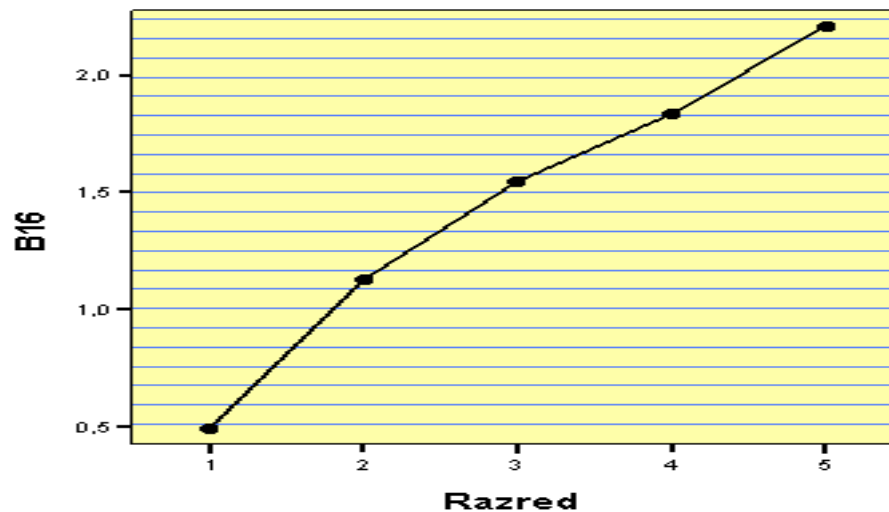
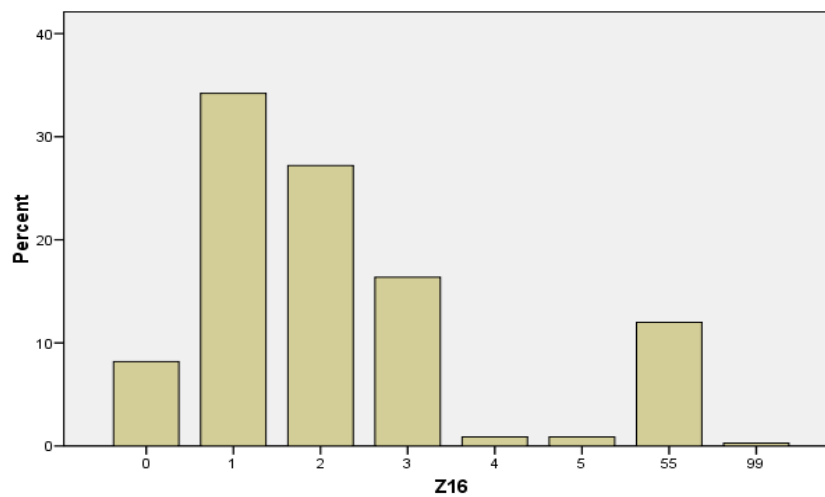


IV. Zadatci produženih odgovora

16. Proučite sljedeći zaključak...

M	1,46 (0,29)
M (O)	0,4
ID	0,48

Z16



17. Upišite u tekstu zadane premise P1, P2 i P4 na odgovarajuća mjesta te izvedite završnu konkluziju (K2).

M	2,16 (0,54)
M (O)	0,4
ID	0,51

