

**Zadatak 11 - No. 17 Markovic Mihajlo**

Vežbe - Rast i proizvodnost šuma 2023

markokazimirovic.shinyapps.io/Zadatak11/

**Na bazi premera dela sastojine crnog bora u Lipovici, površine p= 0.1 ha i poznate starosti od 55 godina:**

N	d[cm]	h [m]	ld [m]	r1 [m]	r2 [m]	r3 [m]	r4 [m]	B.P.	N	d[cm]	h [m]	ld [m]	r1 [m]	r2 [m]	r3 [m]	r4 [m]	B.P.
1	25.9							1	45	20.9							3
2	26.6							1	46	26			1.4	2.1	2.6	2	1
3	22.8			1.3	2.2	2	1.5	1	47	25.6	18.2	13.1	1.5	1.4	1.5	2.6	2
4	17.9							1	48	29.7	18.7	13.1	3.1	2.3	1.6	2.3	2
5	27.8			1.8	2.3	1.1	3.1	1	49	22.8	18.4	14.1					1
6	32.2	23.5		1.7	2.4	2	3.1	1	50	/							/
7	29.1	18						1	51	22.6							3
8	21.7							2	52	18.9							3
9	18.9							1	53	18.9							2
10	18.8							2	54	17.8							1
11	22.5							2	55	22.9							3
12	22.1							1	56	/							/
13	21.8							2	57	25.1							1
14	27.8							1	58	30.7	20.4	14.2	3.1	1.7	1.3	3.8	2
15	30	18.9	14	1.8	1.5	3	3.3	1	59	25.9			2.5	1.6	1.9	1.9	2
16	20.2							2	60	30.7	22.3	14.4	1.8	2.5	2.2	3.1	1
17	30.6	21.1		1.8	2.1	2.2	2.5	2	61	25.1	21.3	13.2	1.1	1.7	2	2.6	3
18	27.3	19.1	14.3	1.4	2.2	1.9	1.5	2	62	21.5			2.3	1.6	0.9	1.6	1
19	16.9	18.1	14.1					2	63	29	21.9	14	2.3	1.2	1.7	2.8	1
20	24.3			2.4	1.4	1.8	1.7	1	64	17.9							1
21	22.6							1	65	26.2	21.4	14.4					2
22	21.9							1	66	31	22.8	14.9	2	2.2	2.2	2.8	2
23	27.8			1.9	1.2	2.4	2	1	67	27	20	12.9	1.7	1.5	2.3	3.3	1
24	16.2							3	68	26	21.2	14.3					3
25	20.2							2	69	29.4	20.4	13.3					3
26	13.2							2	70	21.7	19.7	13.9					3
27	20.1							2	71	20.5	18.3	12.9					1
28	33.2	23.1		2	2.1	2.6	3.7	1	72	24.5	19.3	13.5	2.1	1.7	2.6	1.9	2
29	21.9							1	73	/							/
30	36.6	24						1	74	23.9	18.3	12.1					1
31	24.8	21.4	14.2					2	75	27.7	17.4						2
32	24.4	22	15.1					1	76	35.9	23.7						3
33	30.5	21.3	15.1					2	77	26.9							1
34	12.1	17.7	14.5					3	78	/							/
35	22.4							2	79	26.4							2
36	24.2							2	80	16.9							1
37	27.8							1	81	31.6	22.5		2.7	2.4	2	3.6	1
38	/							/	82	24.1							1
39	19.1	16.4	12.7					1	83	22.6							3
40	27.3			2.4	1	2.5	3	1	84	23							3
41	24.5			1.8	2	1.2	2.4	1	85	29.2	18.8		2.1	2.1	3	3	3
42	25.6			1.8	1.6	1.8	3.3	2	86	20	18.7	13.2					1
43	28.3	17.7		2.7	2	1.5	3.3	2	87	23			1.5	1.3	1.8	2.3	1
44	25			1.9	1.5	2.1	2.4	2	Suma	2004.4							

Odrediti i analizirati sledeće elemente rasta i sastojinske izgrađenosti i po potrebi ih grafički predstaviti:

1. Srednje prečnike i visine;

. Aritmetički srednji prečnik:

$$\bar{d} = \frac{1}{n} \sum_1^n d =$$

. Srednji prečnik po temeljnici:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50855.88}{n}} =$$

. Srednji prečnik dominantnih stabala po temeljnici:

$$D_g = \sqrt{\frac{\sum_1^n D_{20\%}^2}{n_{20\%}}} =$$

. Aritmetička srednja visina:

$$\bar{h} = \frac{1}{n} \sum_1^n h =$$

. Srednja visina dominantnih stabala:

$$H_g = \sqrt{\frac{\sum_1^n H_{20\%}^2}{n_{20\%}}} =$$

. Visinsku krivu i krivu visina početka krošnje:

redova 60x65 kolona

