

Zadatak 11 - No. 12 Eric Sara
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	26							1	45	21.1							3
2	26.5							1	46	26			1.4	1.8	2.2	2.4	1
3	22.8			1.7	2	1.8	1.4	1	47	25.5	18.1	12.8	1.2	1.7	1.5	2.7	2
4	18.3							1	48	29.6	18.4	13.3	2.8	2.1	1.7	2	2
5	27.8			1.8	2.1	1.3	2.9	1	49	22.7	18.2	13.8					1
6	32.3	23.4		1.2	2.4	1.9	3.1	1	50	/							/
7	29.2	18.2						1	51	23							3
8	21.7							2	52	18.7							3
9	18.7							1	53	19.1							2
10	19.1							2	54	17.7							1
11	22.6							2	55	22.5							3
12	22.4							1	56	/							/
13	21.9							2	57	25.6							1
14	27.7							1	58	30.5	20.5	14.5	3	1.8	1.3	4	2
15	30.1	19.2	13.9	1.7	1.5	2.9	3.2	1	59	25.8			2.3	1.3	1.5	2	2
16	20.2							2	60	31	22.1	14.8	2	2.8	2.1	2.7	1
17	30.3	20.7		2	2.3	2.6	2.3	2	61	25.2	21.2	13	1.1	1.8	2.6	2.5	3
18	27.1	18.8	14.4	1.8	2.2	2	1.7	2	62	21.3			2.3	1.5	0.7	1.7	1
19	16.9	18.2	14.6					2	63	28.9	22.1	14.1	2.4	1.5	1.6	3	1
20	24.7			2.1	1.9	1.7	1.8	1	64	18							1
21	22.8							1	65	26	21.3	14.3					2
22	22.2							1	66	30.8	22.7	14.7	2.2	2.2	2	2.9	2
23	27.6			2.2	1.2	2.4	2.3	1	67	26.9	20.3	13	1.6	1.6	2.4	3.1	1
24	16							3	68	25.4	21.3	14.8					3
25	20.2							2	69	29.4	20.2	13.1					3
26	13.4							2	70	21.8	19.6	13.7					3
27	20.2							2	71	20.7	18	13					1
28	33	22.9		2.2	2.4	2.5	3.3	1	72	24.6	19.1	13.1	1.9	1.7	2.7	2.1	2
29	21.8							1	73	/							/
30	37	23.9						1	74	23.7	18.2	12.2					1
31	24.5	21.6	14.4					2	75	27.9	18.1						2
32	24	21.7	15.1					1	76	36	23.7						3
33	30.3	21.3	15.1					2	77	26.5							1
34	12.2	17.7	14.5					3	78	/							/
35	22.4							2	79	26.4							2
36	24.2							2	80	16.8							1
37	27.6							1	81	31.6	22.6		3	2.6	1.9	3.8	1
38	/							/	82	24.1							1
39	19.2	16	12.5					1	83	22.3							3
40	27.4			2.4	1	2.2	2.8	1	84	23.1							3
41	25			1.9	1.6	1.5	2.6	1	85	29.5	19.3		2.1	1.6	3.3	2.7	3
42	25.8			1.9	2.1	1.7	3	2	86	19.8	18.9	13					1
43	28.3	17.8		2.6	2.5	1	3.4	2	87	23.1			1.6	1.5	1.7	2.2	1
44	24.5			1.9	1.5	2.3	2.6	2	Suma	2004.5							

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:

$$d_g = \sqrt{\frac{\sum_1^n d^2}{n}} = \sqrt{\frac{\sum_1^n 50848.17}{n}} =$$

. 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

