Domača naloga 1

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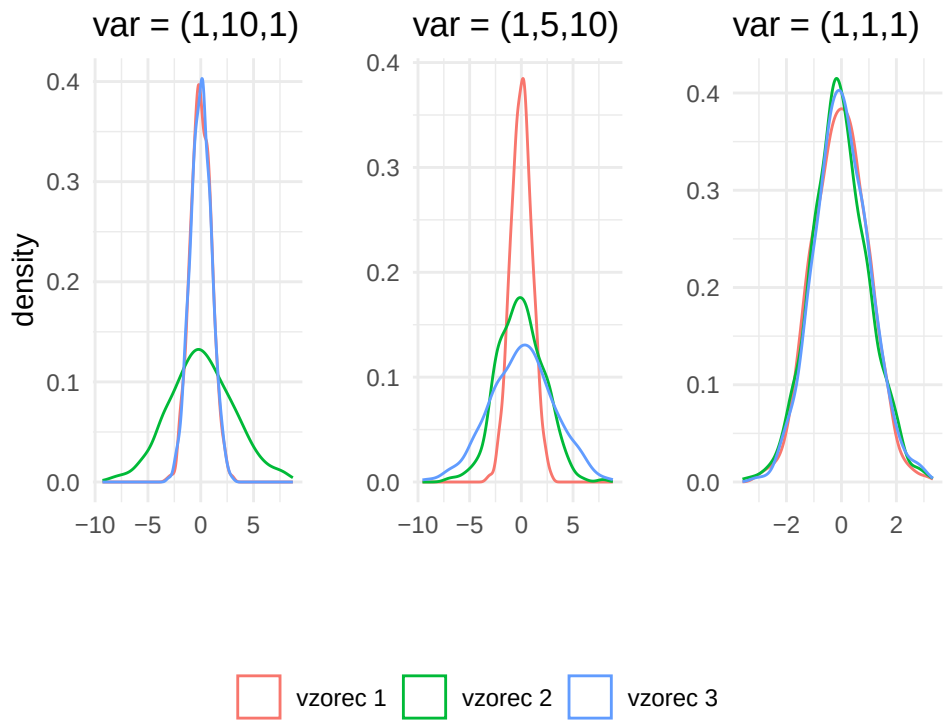
Navodilo

Estimate the validity of a test for the difference of arithmetic means from three independent samples. Compare method where you assume:

- equal variance (classic ANOVA)
- unequal variances (Welch's ANOVA)
- an option where you assume equal variances if you cannot reject the assumption of equality of variances (at 5% risk) with some test for equality of variances (e.g. Levene's), and unequal variances if you can.

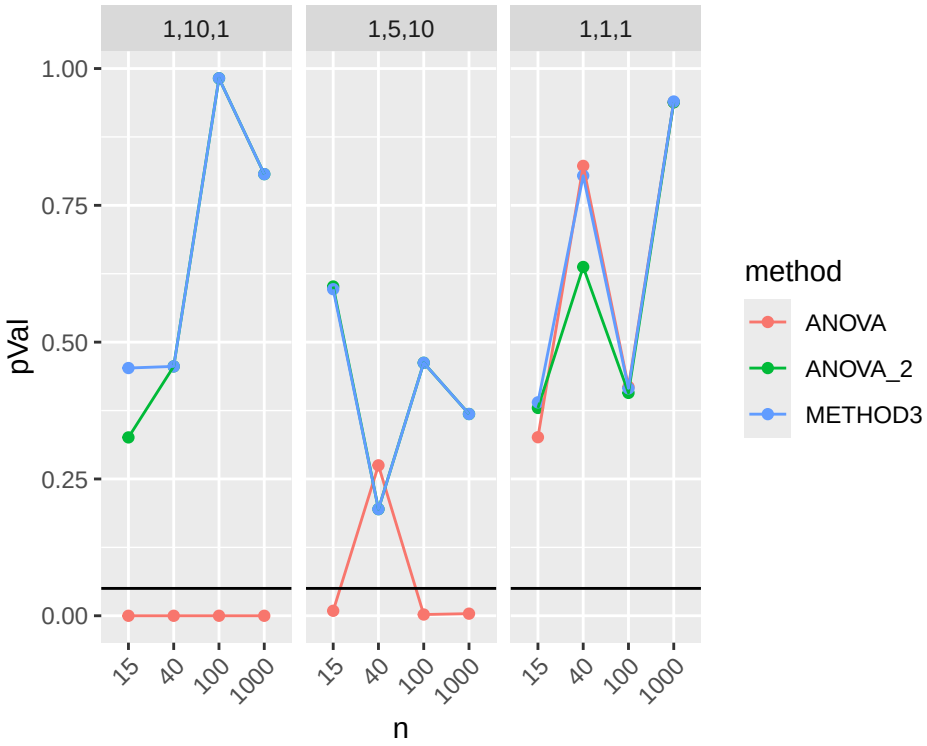
Generate the data so that the variances are equal in some places and different in others.

1 Generiranje podatkov

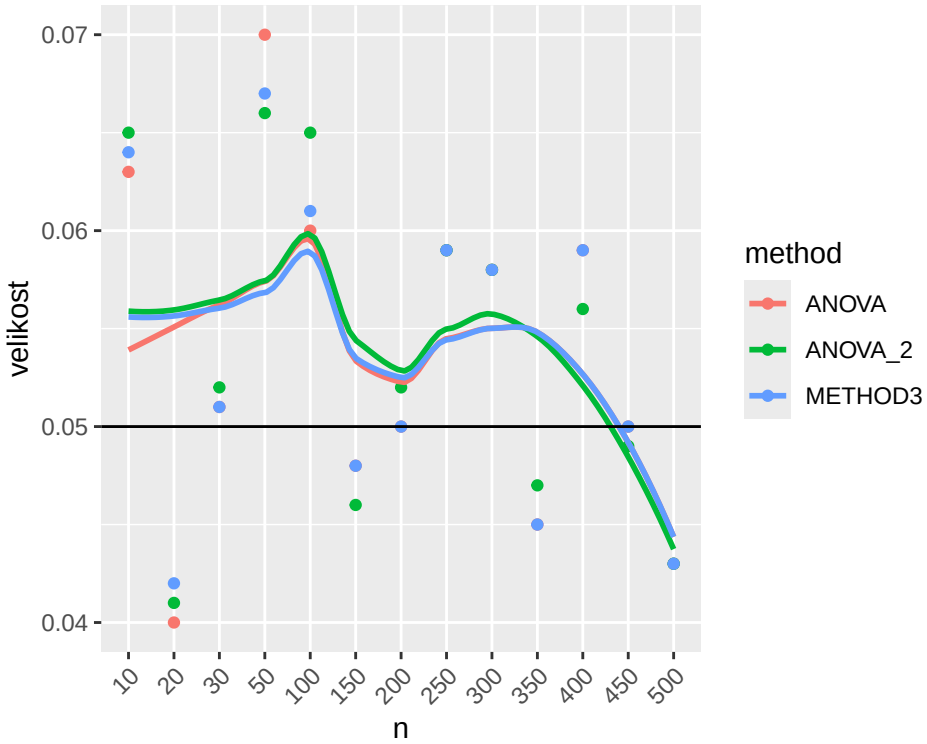


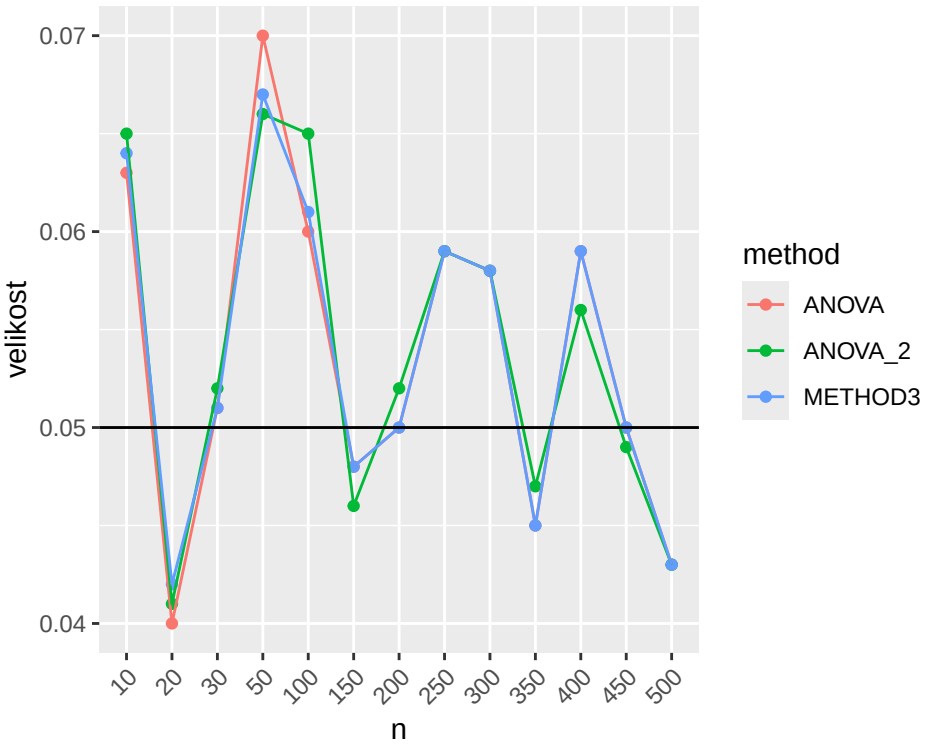
Slika 1: Primer gostote porazdelitev vzorcev za različne kombinacije varianc.

2 Simulacije (p-vrednost)



3 Velikost testa




0.07
0.06
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velikost
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250
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350
400
450
500
n
method
ANOVA
ANOVA_2
METHOD3