

Results

Correlation

Pearson's Correlations

			Pearson's r	p
register	-	formants1	0.816***	< .001
register	-	highestPeakFrequency	0.806***	< .001
register	-	mfcc3	-0.781***	< .001
formants1	-	highestPeakFrequency	0.821***	< .001
formants1	-	mfcc3	-0.823***	< .001
highestPeakFrequency	-	mfcc3	-0.765***	< .001

* p < .05, ** p < .01, *** p < .001

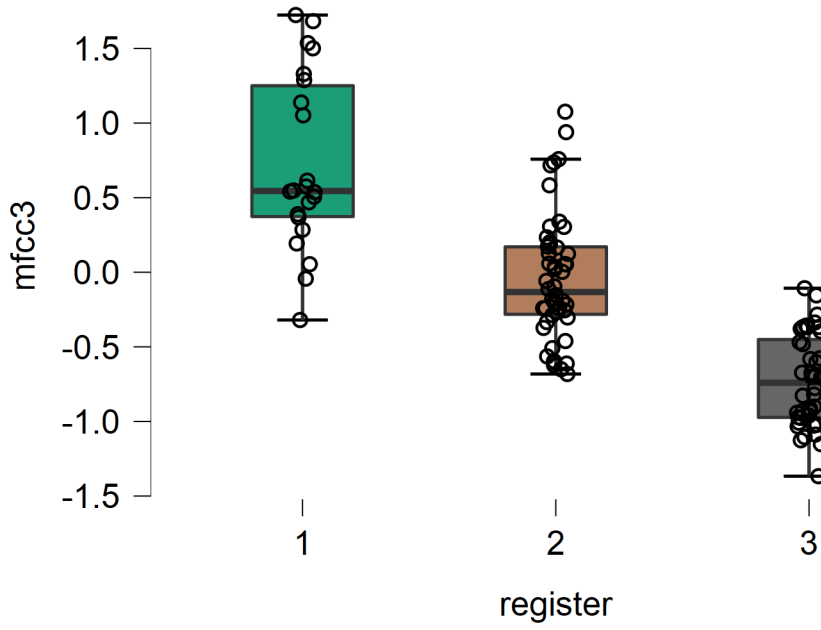
Descriptive Statistics

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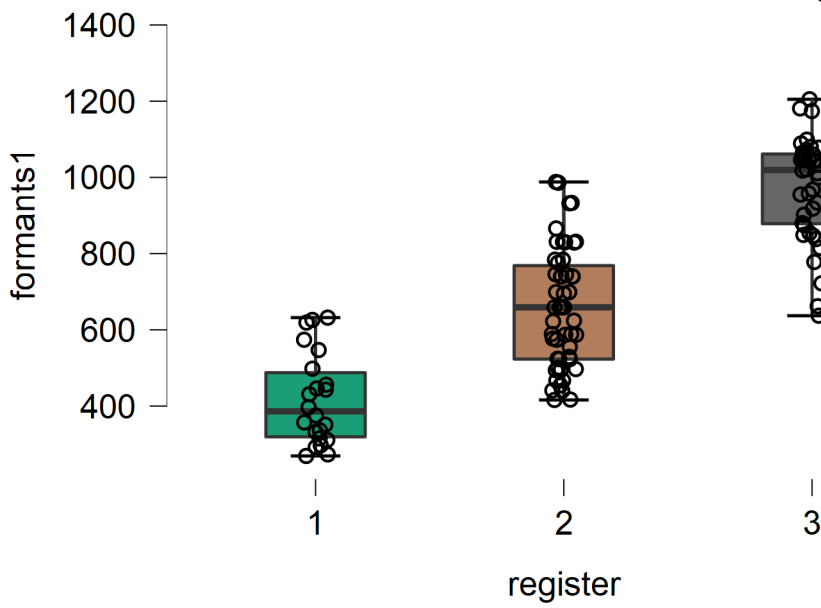
	mfcc3			formants1			highestPeakFrequency		
	1	2	3	1	2	3	1	2	3
Valid	22	50	40	22	50	40	22	50	40
Missing	0	0	0	0	0	0	0	0	0
Mean	0.726	-0.046	-0.729	417.136	657.460	985.275	482.455	764.100	1475.075
Std. Deviation	0.587	0.420	0.311	119.576	156.418	155.845	240.055	249.040	291.194
Minimum	-0.320	-0.682	-1.367	269.000	416.000	637.000	260.000	415.000	1046.000
Maximum	1.724	1.076	-0.107	632.000	988.000	1481.000	1113.000	1666.000	1974.000

Boxplots

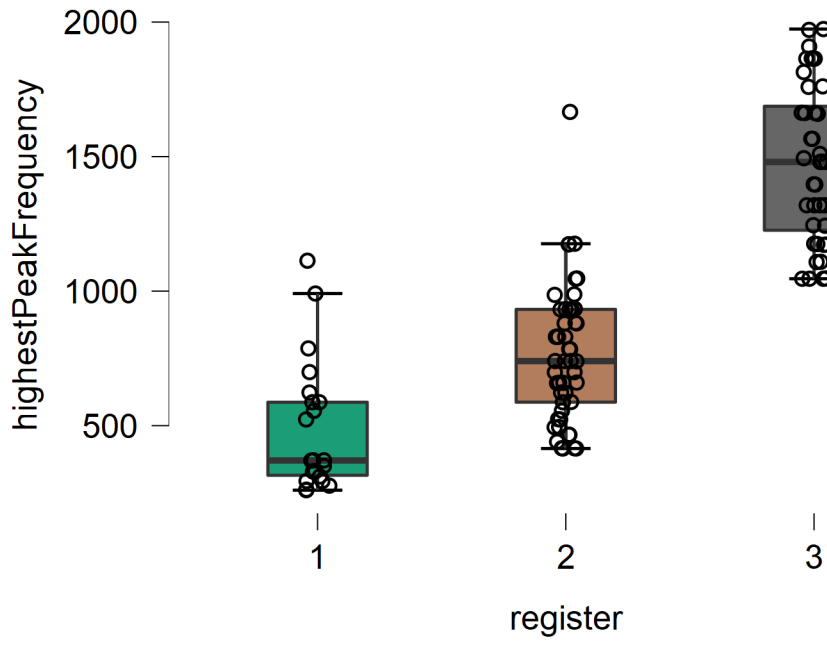
mfcc3



formants1



highestPeakFrequency



MANOVA

MANOVA

MANOVA: Pillai Test

Cases	df	Approx. F	Trace _{Pillai}	Num df	Den df	p
(Intercept)	1	1306.986	0.973	3	107.000	< .001
register	2	28.649	0.886	6	216.000	< .001
Residuals	109					

ANOVA

ANOVA: formants1

Cases	Sum of Squares	df	Mean Square	F	p
(Intercept)	5.925e +7	1	5.925e +7	2639.925	< .001
register	5.022e +6	2	2.511e +6	111.889	< .001
Residuals	2.446e +6	109	22443.459		

ANOVA: highestPeakFrequency

Cases	Sum of Squares	df	Mean Square	F	p
(Intercept)	1.038e +8	1	1.038e +8	1497.350	< .001
register	1.755e +7	2	8.774e +6	126.562	< .001
Residuals	7.556e +6	109	69322.355		

ANOVA: mfcc3

Cases	Sum of Squares	df	Mean Square	F	p
(Intercept)	2.137	1	2.137	11.867	< .001
register	30.814	2	15.407	85.540	< .001
Residuals	19.632	109	0.180		

