Log-Linear Regression

'ref' must be an existing level

Model Fit Measures

Model	Deviance	AIC	R^2_{McF}
1	.	.	.

Model Coefficients

Predictor	Estimate	SE	Z	p
Intercept	.	.	.	.
Group:				

One-Way ANOVA (Non-parametric)

Kruskal-Wallis

	χ^2	df	p	ε^2
Reaction_time	22.8	2	<.001	0.0410

ANOVA

ANOVA - …

	Sum of Squares	df	Mean Square	F	p
...	.	.	.	.	.
Residuals	.	.	.	.	.

[3]

ANOVA

ANOVA - Reaction_time

	Sum of Squares	df	Mean Square	F	p	η^2
Group	0.193	2	0.0963	9.24	<.001	0.032
Residuals	5.760	553	0.0104			

[3]

Estimated Marginal Means

Group

Descriptives

Descriptives

	Group	Reaction_time
N	NPF	222
	CPF	176
	NCPF	158
Mean	NPF	0.410
	CPF	0.403
	NCPF	0.448
Std. error mean	NPF	0.00736
	CPF	0.00663
	NCPF	0.00841
Median	NPF	0.388
	CPF	0.387
	NCPF	0.430
Standard deviation	NPF	0.110
	CPF	0.0879
	NCPF	0.106
Minimum	NPF	0.255
	CPF	0.255
	NCPF	0.258
Maximum	NPF	0.923
	CPF	0.757
	NCPF	0.852

Linear Regression

'ref' must be an existing level

Model Fit Measures

Model	R	R²
1	.	.

Omnibus ANOVA Test

	Sum of Squares	df	Mean Square	F	p
Group	.	.	.	.	.
Residuals	.	.	.	.	.

Note. Type 3 sum of squares

[3]

Model Coefficients - Reaction_time

Predictor	Estimate	SE	t	p
Intercept [a]	.	.	.	.
Group:				

[a] Represents reference level

ANOVA

ANOVA - Reaction_time

	Sum of Squares	df	Mean Square	F	p
Group	0.193	2	0.0963	9.24	<.001
Residuals	5.760	553	0.0104		

[3]

Post Hoc Tests

Post Hoc Comparisons - Group

Comparison						
Group	Group	Mean Difference	SE	df	t	p_{tukey}
NPF	- CPF	0.00690	0.0103	553	0.670	0.781
	- NCPF	-0.03771	0.0106	553	-3.550	0.001
CPF	- NCPF	-0.04461	0.0112	553	-3.988	<.001

[4]

R

ANOVA

ANOVA - Reaction_time

	Sum of Squares	df	Mean Square	F	p
Group	0.193	2	0.0963	9.24	<.001
Residuals	5.760	553	0.0104		

[3]

Estimated Marginal Means
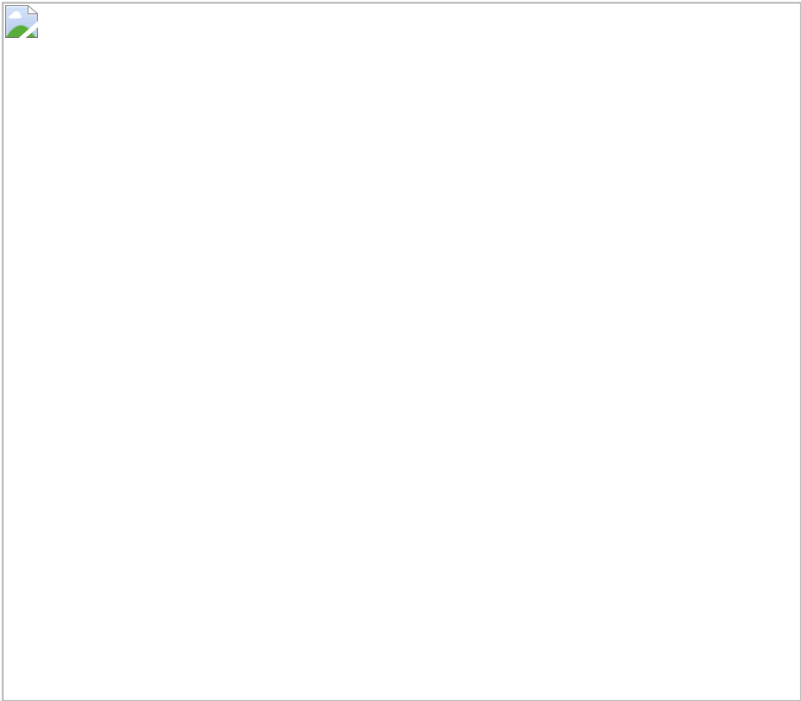
Group

Estimated Marginal Means - Group

Group	Mean	SE	95% Confidence Interval	
			Lower	Upper
NPF	0.410	0.00685	0.397	0.424
CPF	0.403	0.00769	0.388	0.418
NCPF	0.448	0.00812	0.432	0.464

[4]

ANOVA

ANOVA - Reaction_time

	Sum of Squares	df	Mean Square	F	p	η²	η²p
Group	0.193	2	0.0963	9.24	<.001	0.032	0.032
Residuals	5.760	553	0.0104				

[3]

Post Hoc Tests

Post Hoc Comparisons - Group

Comparison		Mean Difference	SE	df	t	p$_{tukey}$	Cohen's d
Group	Group						
NPF	- CPF	0.00690	0.0103	553	0.670	0.781	1.22e-4
	- NCPF	-0.03771	0.0106	553	-3.550	0.001	6.58e-4
CPF	- NCPF	-0.04461	0.0112	553	-3.988	<.001	7.59e-4

[4]

References

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[3] Fox, J., & Weisberg, S. (2018). *car: Companion to Applied Regression*. [R package]. Retrieved from https://cran.r-project.org/package=car.

[4] Lenth, R. (2018). *emmeans: Estimated Marginal Means, aka Least-Squares Means*. [R package]. Retrieved from https://cran.r-project.org/package=emmeans.