

Formatting comparison (ANOVA vs Regression)

Goal: quick side-by-side to harmonize numeric formatting across verbatim and DOCX outputs.

Area	Output type	Module	Table	Numeric formatting	p-value formatting	Notes
Regression	Verbatim	LM/LMM	ANOVA Type III	4 decimals via <code>formatC(..., digits=4, drop0trailing=TRUE)</code> on all numeric cols except p	<code><0.0001</code> or 4-decimal <code>formatC(..., digits=4, drop0trailing=TRUE)</code>	F column also formatted to 4 decimals; residual F blanked.
Regression	Verbatim	LM/LMM	Coefficients	6 decimals fixed (<code>formatC(..., digits=6, drop0trailing=FALSE)</code>)	<code>format.pval(..., digits=3, eps=1e-04)</code>	Matches legacy console output.
Regression	Verbatim	LMM	ICC	6 decimals fixed (<code>formatC(..., digits=6, drop0trailing=FALSE)</code>)	n/a	Printed only when present.
Regression	Verbatim	LMM	Random effects	Base <code>print(VarCorr)</code> defaults	n/a	No explicit digits.
Regression	DOCX	LM/LMM	ANOVA Type III	<code>round(..., 4) + flexible digits=4</code>	<code><.0001</code> or <code>sprintf("%.4f")</code>	Table renders fixed 4-decimal numeric columns.
Regression	DOCX	LM/LMM	Coefficients	<code>round(..., 4) + flexible digits=4</code>	<code><.0001</code> or <code>sprintf("%.4f")</code>	p-values stored as strings.
Regression	DOCX	LM/LMM	Random effects	<code>round(..., 4)</code> for Variance/StdDev	n/a	ICC rounded to 4.
ANOVA	Verbatim	One/Two-way	ANOVA Type III	<code>round(..., 4)</code> for numeric cols (except p)	<code><.0001</code> or <code>sprintf("%.4f")</code>	Base <code>print()</code> may drop trailing zeros.
ANOVA	Verbatim	One/Two-way	Post-hoc	emmeans defaults (no explicit rounding in UI)	emmeans defaults	Printed raw from emmeans.
ANOVA	DOCX	One/Two-way	ANOVA Type III	<code>round(..., 4) + flexible digits=4</code>	<code><.0001</code> or <code>sprintf("%.4f")</code>	Fvalue label uses <code>sprintf("%.4f")</code> .
ANOVA	DOCX	One/Two-way	Post-hoc contrasts	<code>round(..., 4)</code> (except p) + flexible <code>digits=4</code>	<code><.0001</code> or <code>sprintf("%.4f")</code>	p-values stored as labels.

Potential harmonization targets (not applied yet):

- Standardize p-value string style: `<0.0001` vs `<.0001`.
- Decide whether verbatim output should always show fixed 4 decimals (avoid base print trimming).
- Align regression coefficient p-value formatting with ANOVA p-value labels (4 decimals + threshold).