Analysis of Dental Study Data -- Univariate Repeated Measures ANOVA

Class Level Information		
Class	**Levels**	**Values**
GENDER	2	F M

Number of Observations Read	27
Number of Observations Used	27

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Repeated Measures Analysis of Variance

Repeated Measures Level Information				
Dependent Variable	**age8**	**age10**	**age12**	**age14**
Level of age	8	10	12	14

Partial Correlation Coefficients from the Error SSCP Matrix / Prob > |r|				
DF = 25	**age8**	**age10**	**age12**	**age14**
age8	1.000000	0.570699 0.0023	0.661320 0.0002	0.521583 0.0063
age10	0.570699 0.0023	1.000000	0.563167 0.0027	0.726216 <.0001
age12	0.661320 0.0002	0.563167 0.0027	1.000000	0.728098 <.0001
age14	0.521583 0.0063	0.726216 <.0001	0.728098 <.0001	1.000000

E = Error SSCP Matrix age_N represents the contrast between the nth level of age and the last			
	age_1	**age_2**	**age_3**
age_1	124.518	41.879	51.375
age_2	41.879	63.405	11.625
age_3	51.375	11.625	79.500

Partial Correlation Coefficients from the Error SSCP Matrix of the Variables Defined by the Specified Transformation / Prob > |r|			
DF = 25	**age_1**	**age_2**	**age_3**
age_1	1.000000	0.471326 0.0151	0.516359 0.0069
age_2	0.471326 0.0151	1.000000	0.163738 0.4241
age_3	0.516359 0.0069	0.163738 0.4241	1.000000

Sphericity Tests				
Variables	**DF**	**Mauchly's Criterion**	**Chi-Square**	**Pr > ChiSq**
Transformed Variates	5	0.4998695	16.449181	0.0057
Orthogonal Components	5	0.7353334	7.2929515	0.1997

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Repeated Measures Analysis of Variance
Tests of Hypotheses for Between Subjects Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F
GENDER	1	140.4648569	140.4648569	9.29	0.0054
Error	25	377.9147727	15.1165909		

Analysis of Dental Study Data -- Univariate Repeated Measures ANOVA

Repeated Measures Analysis of Variance
Univariate Tests of Hypotheses for Within Subject Effects

Source	DF	Type III SS	Mean Square	F Value	Pr > F	Adj Pr > F	
						G - G	H-F-L
age	3	209.4369739	69.8123246	35.35	<.0001	<.0001	<.0001
age*GENDER	3	13.9925295	4.6641765	2.36	0.0781	0.0878	0.0797
Error(age)	75	148.1278409	1.9750379				

Greenhouse-Geisser Epsilon	0.8672
Huynh-Feldt-Lecoutre Epsilon	0.9769