

เอกสารอ้างอิง

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ANALYSIS OF VARIANCE TABLE

1. S-Na by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	928.950	8	116.119	13.953	0.000
AGE	397.212	7	56.745	6.818	0.000
SEX	531.738	1	531.738	63.893	0.000
2-WAY INTERACTIONS	35.905	7	5.129	0.616	0.742
AGE SEX	35.905	7	5.129	0.616	0.742
RESIDUAL	2529.977	304	8.322		
TOTAL	3494.833	319	10.956		

* $\alpha = .01$

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2. Na-ANS by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	1967.584	8	245.948	28.896	0.000
AGE	1477.534	7	211.076	24.799	0.000
SEX	490.050	1	490.050	57.576	0.000
2-WAY INTERACTIONS	75.837	7	10.834	1.273	0.263
AGE SEX	75.837	7	10.834	1.273	0.263
RESIDUAL	2587.473	304	8.511		
TOTAL	4630.895	319	14.517		

* $\alpha = .01$

3. ANS-Me by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	2336.681	8	292.085	17.246	0.000
AGE	2061.955	7	294.565	17.393	0.000
SEX	274.726	1	274.726	16.221	0.000
2-WAY INTERACTIONS	87.068	7	12.438	0.734	0.643
AGE SEX	87.068	7	12.438	0.734	0.643
RESIDUAL	5148.629	304	16.936		
TOTAL	7572.279	319	23.738		

* $\alpha = .01$

4. Na-Me by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	8856.816	8	1107.102	39.244	0.000
AGE	7401.172	7	1057.310	37.479	0.000
SEX	1455.644	1	1455.644	51.599	0.000
2-WAY INTERACTIONS	231.336	7	33.048	1.171	0.319
AGE SEX	231.337	7	33.048	1.171	0.319
RESIDUAL	8576.078	304	28.211		
TOTAL	17664.230	319	55.374		

* $\alpha = .01$

5. S-Gn by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	8907.984	8	1113.498	34.710	0.000
AGE	7825.695	7	1117.956	34.849	0.000
SEX	1082.288	1	1082.288	33.737	0.000
2-WAY INTERACTIONS	224.930	7	32.133	1.002	0.430
AGE SEX	224.930	7	32.133	1.002	0.430
RESIDUAL	9752.227	304	32.080		
TOTAL	18885.141	319	59.201		

* $\alpha = .01$

6. Na-Go by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	7328.016	8	916.002	31.672	0.000
AGE	4793.953	7	684.850	23.679	0.000
SEX	2534.063	1	2534.063	87.618	0.000
2-WAY INTERACTIONS	154.520	7	22.074	0.763	0.619
AGE SEX	154.518	7	22.074	0.763	0.619
RESIDUAL	8792.199	304	28.922		
TOTAL	16274.734	319	51.018		

* $\alpha = .01$

7. S-Go by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	5157.922	8	644.740	27.722	0.000
AGE	4345.109	7	620.730	26.689	0.000
SEX	812.812	1	812.812	34.948	0.000
2-WAY INTERACTIONS	108.499	7	15.493	0.666	0.701
AGE SEX	108.450	7	15.493	0.666	0.701
RESIDUAL	7070.332	304	23.258		
TOTAL	12336.703	319	38.673		

* $\alpha = .01$

8. Ar-Pog by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	6392.598	8	799.075	31.228	0.000
AGE	5942.535	7	848.934	33.177	0.000
SEX	450.063	1	450.063	17.589	0.000
2-WAY INTERACTIONS	94.980	7	13.569	0.530	0.811
AGE SEX	94.980	7	13.569	0.530	0.811
RESIDUAL	7778.871	304	25.588		
TOTAL	14266.449	319	44.722		

* $\alpha = .01$

9. Ar-Go by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	1804.250	8	225.531	16.907	0.000
AGE	1741.680	7	248.811	18.652	0.000
SEX	62.570	1	62.570	4.691	0.031
2-WAY INTERACTIONS	36.349	7	5.193	0.389	0.908
AGE SEX	36.349	7	5.193	0.389	0.908
RESIDUAL	4055.167	304	13.339		
TOTAL	5895.766	319	18.482		

* $\alpha = .01$

10. Go-Pog by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	3328.731	8	416.091	23.733	0.000
AGE	2953.537	7	421.934	24.067	0.000
SEX	375.194	1	375.194	21.401	0.000
2-WAY INTERACTIONS	126.662	7	18.095	1.032	0.409
AGE SEX	126.662	7	18.095	1.032	0.408
RESIDUAL	5329.695	304	17.532		
TOTAL	8785.090	319	27.539		

* $\alpha = .01$

11. Na-Pr by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	3086.153	8	385.769	32.058	0.000
AGE	2547.950	7	363.993	30.249	0.000
SEX	538.203	1	538.203	44.726	0.000
2-WAY INTERACTIONS	125.947	7	17.992	1.495	0.168
AGE SEX	125.947	7	17.992	1.495	0.168
RESIDUAL	3658.138	304	12.033		
TOTAL	6870.238	319	21.537		

* $\alpha = .01$

12. Id-Gn by Age, Sex

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIFICANCE OF F*
MAIN EFFECTS	830.734	8	103.842	21.968	0.000
AGE	738.284	7	105.469	22.313	0.000
SEX	92.450	1	92.450	19.558	0.000
2-WAY INTERACTIONS	18.988	7	2.713	0.574	0.777
AGE SEX	18.987	7	2.712	0.574	0.777
RESIDUAL	1436.968	304	4.727		
TOTAL	2286.690	319	7.168		

* $\alpha = .01$

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MULTIPLE REGRESSION

DEPENDENT VARIABLE 1. S-Na

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.51117	0.26130	0.26130	0.51117	0.1657180	0.65576
SEX	0.60949	0.37147	0.11018	0.39006	2.065435	0.31249
AGE	0.62094	0.38556	0.01409	0.32820	-0.3143893	-0.21798
(CONSTANT)					46.00137	

DEPENDENT VARIABLE 2. Na-ANS

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.68212	0.46528	0.46528	0.68212	0.1898931	0.65277
SEX	0.72524	0.52597	0.06058	0.32530	1.887518	0.24808
CONSTANT)					23.79497	

DEPENDENT VARIABLE 3. ANS-Me

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.61716	0.38089	0.38089	0.61716	0.2243355	0.60307
SEX	0.62839	0.39488	0.01399	0.19047	1.159087	0.11913
(CONSTANT)					32.14358	

DEPENDENT VARIABLE 4. Na-Me

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.77142	0.59509	0.59509	0.77142	0.4249377	0.74793
SEX	0.79623	0.63398	0.03889	0.28706	2.950974	0.19859
(CONSTANT)					52.15489	

DEPENDENT VARIABLE 5. S-Gn

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.80781	0.65256	0.65256	0.80781	0.4644177	0.79056
SEX	0.82070	0.67355	0.02098	0.23939	2.241333	0.14588
(CONSTANT)					51.84585	

DEPENDENT VARIABLE 6. Na-Go

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.69602	0.48445	0.48445	0.69602	0.3591440	0.65856
SEX	0.78376	0.58334	0.09889	0.39459	4.517023	0.31669
(CONSTANT)					55.58671	

DEPENDENT VARIABLE 7. S-Go

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ	SIMPLE R	B	BETA
Pt.H	0.74112	0.54926	0.54926	0.74112	0.3422602	0.72084
SEX	0.76041	0.57823	0.02897	0.25668	2.128632	0.17141
(CONSTANT)					22.24239	

DEPENDENT VARIABLE 8. Ar-Pog

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.77973	0.60798	0.60798	0.77973	0.3981241	0.77973
(CONSTANT)					43.73703	

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DEPENDENT VARIABLE 9. Ar-Go

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.63671	0.40539	0.40539	0.63671	0.2089898	0.63671
(CONSTANT)					11.32911	

DEPENDENT VARIABLE 10. Go-Pog

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.70127	0.49178	0.49178	0.70127	0.2750331	0.68643
SEX	0.71225	0.50730	0.01552	0.20666	1.314741	0.12546
(CONSTANT)					33.02286	

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DEPENDENT VARIABLE 11. Na-Pr

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.72060	0.51927	0.51927	0.72060	0.2470542	0.69725
SEX	0.74679	0.55769	0.03843	0.27989	1.829426	0.19741
(CONSTANT)					31.42531	

DEPENDENT VARIABLE 12. Id-Gn

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
Pt.H	0.68408	0.46797	0.46796	0.68408	0.1368917	0.66967
SEX	0.69470	0.48261	0.01464	0.20107	0.6514913	0.12186
(CONSTANT)					8.164405	

ประวัติผู้เขียน

นายรักพร เหล่าสุทธีวงษ์ เกิดเมื่อวันที่ 2 เมษายน 2492 อำเภอเมืองระนอง จังหวัดระนอง สำเร็จการศึกษาทันตแพทยศาสตรบัณฑิต เกียรตินิยมอันดับ 2 จากคณะทันตแพทย-
ศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย พ.ศ. 2516 ได้เข้าศึกษาต่อในสาขาวิชาทันตกรรมจัดฟัน
ภาควิชาทันตกรรมจัดฟัน บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย ในปี พ.ศ. 2522 ปัจจุบัน
ดำรงตำแหน่งผู้ช่วยศาสตราจารย์ คณะทันตแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย



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