

เอกสารอ้างอิง

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วิทยานิพนธ์เพื่อปริญญาทันตแพทยศาสตรมหาบัณฑิต จุฬาลงกรณ์มหาวิทยาลัย
2524.

การคำนวณ ก.

ANALYSIS OF VARIANCE

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM01
 BY AGE Incisor Overjet
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	46.926	9	5.214	3.027	0.002
AGE	43.425	8	5.428	3.152	0.002
SEX	3.501	1	3.501	2.033	0.155
2-WAY INTERACTIONS	9.131	8	1.141	0.663	0.724
AGE SEX	9.131	8	1.141	0.663	0.724
EXPLAINED	56.056	17	3.297	1.915	0.016
RESIDUAL	589.010	342	1.722		
TOTAL	645.067	359	1.797		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM02
 BY AGE Incisor Overbite
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	39.581	9	4.398	2.948	0.002
AGE	36.464	8	4.558	3.055	0.002
SEX	3.117	1	3.117	2.090	0.149
2-WAY INTERACTIONS	9.314	8	1.164	0.730	0.620
AGE SEX	9.314	8	1.164	0.730	0.620
EXPLAINED	48.895	17	2.876	1.928	0.015
RESIDUAL	510.215	342	1.492		
TOTAL	559.111	359	1.557		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM03
 BY AGE Lower Incisor Extrusion
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	43.517	9	4.835	4.020	0.000
AGE	42.514	8	5.314	4.419	0.000
SEX	1.003	1	1.003	0.834	0.362
2-WAY INTERACTIONS	20.647	8	2.581	2.146	0.031
AGE SEX	20.647	8	2.581	2.146	0.031
EXPLAINED	64.164	17	3.774	3.138	0.000
RESIDUAL	411.305	342	1.203		
TOTAL	475.469	359	1.324		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM04
 BY AGE Interincisal Angle
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	484.996	9	53.888	0.751	0.562
AGE	343.118	8	42.890	0.598	0.780
SEX	141.878	1	141.878	1.977	0.161
2-WAY INTERACTIONS	426.135	8	53.267	0.742	0.654
AGE SEX	426.135	8	53.267	0.742	0.654
EXPLAINED	911.133	17	53.596	0.747	0.753
RESIDUAL	24540.852	342	71.757		
TOTAL	25451.984	359	70.397		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM05
 BY AGE Convexity
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	49.679	9	5.520	1.146	0.329
AGE	44.543	8	5.568	1.156	0.325
SEX	5.136	1	5.136	1.067	0.302
2-WAY INTERACTIONS	26.801	8	3.350	0.696	0.695
AGE SEX	26.801	8	3.350	0.696	0.695
EXPLAINED	76.481	17	4.499	0.934	0.534
RESIDUAL	1646.939	342	4.816		
TOTAL	1723.420	359	4.801		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM06
 BY AGE Lower Face Height
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	366.156	9	40.684	3.063	0.002
AGE	358.055	8	44.757	3.369	0.001
SEX	8.100	1	8.100	0.610	0.435
2-WAY INTERACTIONS	116.950	8	14.619	1.100	0.362
AGE SEX	116.950	8	14.619	1.100	0.362
EXPLAINED	483.105	17	28.413	2.139	0.006
RESIDUAL	4543.090	342	13.284		
TOTAL	5026.195	359	14.001		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NNAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM07
 BY AGE Upper Molar Position
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	2087.812	9	231.979	25.107	0.000
AGE	2087.743	8	260.968	28.244	0.000
SEX	0.069	1	0.069	0.008	0.931
2-WAY INTERACTIONS	188.768	8	23.596	2.554	0.010
AGE SEX	188.768	8	23.596	2.554	0.010
EXPLAINED	2276.580	17	133.916	14.494	0.000
RESIDUAL	3159.955	342	9.240		
TOTAL	5436.535	359	15.144		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NNAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM08
 BY AGE Mandibular Incisor Protrusion
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	126.431	9	14.048	2.796	0.004
AGE	120.031	8	15.004	2.935	0.003
SEX	6.400	1	6.400	1.274	0.260
2-WAY INTERACTIONS	23.425	3	2.723	0.533	0.792
AGE SEX	23.425	3	2.723	0.583	0.792
EXPLAINED	149.856	17	8.815	1.754	0.033
RESIDUAL	1718.540	342	5.025		
TOTAL	1868.396	359	5.204		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM09
 BY AGE Maxillary Incisor Protrusion
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	93.344	9	10.372	2.131	0.023
AGE	92.176	8	11.522	2.422	0.015
SEX	1.167	1	1.167	0.245	0.521
2-WAY INTERACTIONS	26.301	8	3.288	0.691	0.699
AGE - SEX	26.301	8	3.288	0.691	0.699
EXPLAINED	119.645	17	7.033	1.480	0.099
RESIDUAL	1626.651	342	4.756		
TOTAL	1746.297	359	4.864		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM10
 BY AGE Mandibular Incisor Inclination
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	427.014	9	47.446	2.133	0.026
AGE	417.014	8	52.127	2.349	0.018
SEX	10.000	1	10.000	0.451	0.502
2-WAY INTERACTIONS	131.175	8	16.397	0.739	0.657
AGE - SEX	131.175	8	16.397	0.739	0.657
EXPLAINED	558.191	17	32.835	1.490	0.099
RESIDUAL	7588.816	342	22.170		
TOTAL	8147.008	359	22.694		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM11
 BY AGE Maxillary Incisor Inclination
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	366.374	9	40.708	1.451	0.165
AGE	314.618	8	39.327	1.401	0.195
SEX	51.756	1	51.756	1.844	0.175
2-WAY INTERACTIONS	182.012	8	22.752	0.811	0.593
AGE SEX	182.012	8	22.752	0.811	0.593
EXPLAINED	548.387	17	32.258	1.149	0.305
RESIDUAL	5597.680	342	28.063		
TOTAL	10146.066	359	28.252		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM12
 BY AGE Occlusal Plane to Ramus
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	515.460	9	57.273	9.400	0.000
AGE	515.210	8	64.401	10.570	0.000
SEX	0.251	1	0.251	0.041	0.839
2-WAY INTERACTIONS	45.918	8	5.740	0.942	0.482
AGE SEX	45.918	8	5.740	0.942	0.482
EXPLAINED	561.378	17	33.022	5.420	0.000
RESIDUAL	2083.803	342	6.093		
TOTAL	2645.181	359	7.368		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM13
 BY AGE Occlusal Plane Inclination
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	1115.719	9	123.959	13.079	0.000
AGE	1114.312	8	139.299	14.695	0.000
SEX	1.406	1	1.406	0.148	0.700
2-WAY INTERACTIONS	143.012	8	17.377	1.886	0.061
AGE SEX	143.012	8	17.377	1.886	0.061
EXPLAINED	1258.731	17	74.043	7.812	0.000
RESIDUAL	3241.644	342	9.478		
TOTAL	4500.375	359	12.536		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM14
 BY AGE Lip Protrusion
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	61.733	9	6.859	1.503	0.145
AGE	53.176	8	6.647	1.457	0.172
SEX	8.556	1	8.556	1.975	0.172
2-WAY INTERACTIONS	12.687	8	1.586	0.348	0.947
AGE SEX	12.687	8	1.586	0.348	0.947
EXPLAINED	74.420	17	4.379	0.959	0.504
RESIDUAL	1560.679	342	4.563		
TOTAL	1635.099	359	4.555		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NNAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM15
 BY AGE Upper Lip Length
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	640.517	9	71.169	12.935	0.000
AGE	565.805	8	70.726	12.914	0.000
SEX	74.711	1	74.711	13.641	0.000
2-WAY INTERACTIONS	38.214	8	4.777	0.872	0.540
AGE SEX	38.214	8	4.777	0.872	0.540
EXPLAINED	678.730	17	39.925	7.290	0.000
RESIDUAL	1873.065	342	5.477		
TOTAL	2551.795	359	7.109		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NNAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM16
 BY AGE Lip Embrasure - Occlusal Plane
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	96.608	9	10.734	2.907	0.002
AGE	86.939	8	10.867	2.943	0.003
SEX	9.669	1	9.669	2.618	0.107
2-WAY INTERACTIONS	66.756	8	8.344	2.260	0.023
AGE SEX	66.756	8	8.344	2.260	0.023
EXPLAINED	163.364	17	9.610	2.602	0.001
RESIDUAL	1262.990	342	3.693		
TOTAL	1426.354	359	3.973		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM17
BY AGE Facial Depth
SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	402.204	9	44.689	5.030	0.000
AGE	320.026	8	40.003	4.502	0.000
SEX	82.178	1	82.178	9.249	0.003
2-WAY INTERACTIONS	67.360	8	8.420	0.948	0.477
AGE SEX	67.360	8	8.420	0.948	0.477
EXPLAINED	469.564	17	27.621	3.109	0.030
RESIDUAL	3038.786	342	8.885		
TOTAL	3508.350	359	9.773		

360 CASES WERE PROCESSED.
0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM18
BY AGE Facial Axis
SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	202.338	9	22.482	1.761	0.074
AGE	120.637	8	15.080	1.181	0.309
SEX	81.701	1	81.701	6.401	0.012
2-WAY INTERACTIONS	70.243	8	8.780	0.688	0.702
AGE SEX	70.243	8	8.780	0.688	0.702
EXPLAINED	272.582	17	16.034	1.256	0.219
RESIDUAL	4365.090	342	12.763		
TOTAL	4637.672	359	12.918		

360 CASES WERE PROCESSED.
0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM19

BY AGE Facial Taper

SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	203.431	9	22.503	1.742	0.078
AGE	55.206	8	6.901	0.532	0.832
SEX	148.225	1	148.225	11.426	0.031
2-WAY INTERACTIONS	47.650	8	5.956	0.459	0.884
AGE SEX	47.650	8	5.956	0.459	0.884
EXPLAINED	251.082	17	14.770	1.139	0.315
RESIDUAL	4436.629	342	12.973		
TOTAL	4687.711	359	13.058		

360 CASES WERE PROCESSED.
0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM20

BY AGE Maxillary Depth

SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	309.460	9	34.384	3.922	0.000
AGE	115.860	8	14.482	1.652	0.109
SEX	193.600	1	193.600	22.032	0.030
2-WAY INTERACTIONS	63.337	8	7.917	0.903	0.514
AGE SEX	63.337	8	7.917	0.903	0.514
EXPLAINED	372.797	17	21.929	2.531	0.001
RESIDUAL	2998.485	342	8.768		
TOTAL	3371.282	359	9.391		

360 CASES WERE PROCESSED.
0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM21
BY AGE Maxillary Height
SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	350.676	9	38.964	4.214	0.000
AGE	327.925	8	40.991	4.434	0.000
SEX	22.751	1	22.751	2.461	0.118
2-WAY INTERACTIONS	73.731	8	9.216	0.997	0.438
AGE SEX	73.731	8	9.216	0.997	0.438
EXPLAINED	424.406	17	24.965	2.700	0.000
RESIDUAL	5161.999	342	9.246		
TOTAL	5586.405	359	9.990		

360 CASES WERE PROCESSED.
0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM22
BY AGE Palatal Plane
SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	200.846	9	22.316	2.219	0.020
AGE	149.710	8	18.599	1.849	0.067
SEX	52.136	1	52.136	5.135	0.023
2-WAY INTERACTIONS	207.051	8	25.881	2.574	0.010
AGE SEX	207.051	8	25.881	2.574	0.010
EXPLAINED	407.897	17	23.994	2.386	0.002
RESIDUAL	5438.783	342	10.055		
TOTAL	5846.681	359	10.715		

360 CASES WERE PROCESSED.
0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM23
 BY AGE Mandibular Plane Angle
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	356.335	9	39.593	1.808	0.056
AGE	354.801	8	44.350	2.026	0.043
SEX	1.534	1	1.534	0.070	0.791
2-WAY INTERACTIONS	120.110	8	15.014	0.686	0.704
AGE SEX	120.110	8	15.014	0.686	0.704
EXPLAINED	476.445	17	28.026	1.280	0.202
RESIDUAL	7487.875	342	21.894		
TOTAL	7964.320	359	22.185		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM24
 BY AGE Cranial Deflection
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	85.267	9	9.474	1.699	0.088
AGE	79.131	8	9.891	1.774	0.081
SEX	6.136	1	6.136	1.100	0.295
2-WAY INTERACTIONS	24.239	8	3.030	0.543	0.824
AGE SEX	24.239	8	3.030	0.543	0.824
EXPLAINED	109.506	17	6.442	1.155	0.300
RESIDUAL	1907.285	342	5.577		
TOTAL	2016.790	359	5.618		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM25

BY AGE Cranial Length, Anterior

SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	1287.075	9	143.008	19.701	0.000
AGE	746.850	8	93.356	12.861	0.000
SEX	540.225	1	540.225	74.423	0.000
2-WAY INTERACTIONS	114.375	8	14.297	1.970	0.049
AGE SEX	114.375	8	14.297	1.970	0.049
EXPLAINED	1401.450	17	82.438	11.357	0.000
RESIDUAL	2482.513	342	7.259		
TOTAL	3883.963	359	10.819		

360 CASES WERE PROCESSED.
0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM26

BY AGE Posterior Facial Height

SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	7635.773	9	348.419	41.822	0.000
AGE	7260.617	8	907.577	44.733	0.000
SEX	375.156	1	375.156	19.493	0.000
2-WAY INTERACTIONS	211.862	8	26.483	1.305	0.240
AGE SEX	211.862	8	26.483	1.305	0.240
EXPLAINED	7847.637	17	461.525	22.755	0.000
RESIDUAL	6937.953	342	20.295		
TOTAL	14785.590	359	41.185		

360 CASES WERE PROCESSED.
0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM27
 BY AGE Ramus Position
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	125.367	9	13.930	1.456	0.163
AGE	25.089	8	3.136	0.328	0.955
SEX	100.278	1	100.278	10.482	0.001
2-WAY INTERACTIONS	31.572	8	3.947	0.413	0.913
AGE SEX	31.572	9	3.947	0.413	0.913
EXPLAINED	156.939	17	9.232	0.965	0.498
RESIDUAL	3271.685	342	9.566		
TOTAL	3428.624	359	9.550		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

 ITEM28
 BY AGE Porion Location (TMJ)
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	798.892	9	88.766	9.963	0.000
AGE	712.847	8	89.106	10.001	0.000
SEX	86.044	1	86.044	9.657	0.002
2-WAY INTERACTIONS	95.981	8	11.998	1.347	0.219
AGE SEX	95.981	8	11.998	1.347	0.219
EXPLAINED	894.872	17	52.640	5.908	0.000
RESIDUAL	3047.210	342	8.910		
TOTAL	3942.082	359	10.931		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM29
 BY AGE Mandibular Arc
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	119.945	9	13.327	0.748	0.665
AGE	118.889	8	14.861	0.834	0.573
SEX	1.056	1	1.056	0.059	0.838
2-WAY INTERACTIONS	59.050	8	7.381	0.414	0.912
AGE SEX	59.050	8	7.381	0.414	0.912
EXPLAINED	178.996	17	10.529	0.591	0.899
RESIDUAL	6092.820	342	17.815		
TOTAL	6271.816	359	17.470		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

FILE NONAME (CREATION DATE = 27/04/82)

***** ANALYSIS OF VARIANCE *****

ITEM30
 BY AGE Corpus Length
 SEX

SOURCE OF VARIATION	SUM OF SQUARES	DF	MEAN SQUARE	F	SIGNIF OF F
MAIN EFFECTS	6146.109	9	682.901	53.176	0.000
AGE	5963.355	8	745.419	58.044	0.000
SEX	182.756	1	182.756	14.231	0.000
2-WAY INTERACTIONS	225.200	8	28.150	2.192	0.028
AGE SEX	225.200	8	28.150	2.192	0.028
EXPLAINED	6371.309	17	374.783	29.184	0.000
RESIDUAL	4392.055	342	12.842		
TOTAL	10763.363	359	29.992		

360 CASES WERE PROCESSED.
 0 CASES (0.0 PCT) WERE MISSING.

FILE NNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1

DEPENDENT VARIABLE.. 2. Incisor Overbite

REGRESSION LIST 2

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

MULTIPLE R	0.13812	ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
R SQUARE	0.01908	REGRESSION	1.	10.66667	10.66667	6.96235
ADJUSTED R SQUARE	0.01634	RESIDUAL	358.	548.46557	1.53203	
STANDARD ERROR	1.23775					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STANDARD ERROR	F
AGE	0.666667D-01	0.13812	0.02527	6.962
(CONSTANT)	1.481544			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL	TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

FILE NNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1

DEPENDENT VARIABLE.. ITEM02

REGRESSION LIST 2

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSC CHANGE	SIMPLE R	B	BETA
AGE	0.13812	0.01908	0.01908	0.13812	0.666667D-01	0.13812
(CONSTANT)					1.481544	

FILE NCNAME (CREATION DATE = 25/C3/E2)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 7
 DEPENDENT VARIABLE.. 7. Upper Molar Position
 VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.60282	REGRESSION	1.	1975.62760	1975.62760	204.35354
R SQUARE	0.36339	RESIDUAL	358.	3461.02795	9.66768	
ADJUSTED R SQUARE	0.36161					
STANDARD ERROR	3.10929					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	0.9072917	0.60282	0.06347	204.354
(CONSTANT)	4.022611			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL	TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

FILE NCNAME (CREATION DATE = 25/C3/E2)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 7
 DEPENDENT VARIABLE.. ITEM07

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSC CHANGE	SIMPLE R	B	BETA
AGE	0.60282	0.36339	0.36339	0.60282	0.9072917	0.60282
(CONSTANT)					4.022611	

FILE NNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 3

DEPENDENT VARIABLE.. 8. Mandibular Incisor Protrusion

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.23092	REGRESSION	1.	99.63375	99.63375	20.16562
R SQUARE	0.05332	RESIDUAL	358.	1766.75661	4.94077	
ADJUSTED R SQUARE	0.05068					
STANDARD ERROR	2.22279					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	0.2037500	0.23092	0.04537	20.166
(CONSTANT)	2.0000000			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

FILE NNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 3

DEPENDENT VARIABLE.. ITEMCB

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSC CHANGE	SIMPLE R	B	BETA
AGE	0.23092	0.05332	0.05332	0.23092	0.2037500	0.23092
(CONSTANT)					2.0000000	

FILE NNAME (CREATION DATE = 25/C3/E2)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 12

DEPENDENT VARIABLE.. 12. Occlusal Plane to Ramus

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.41891	REGRESSION	1.	464.20010	464.20010	76.19552
R SQUARE	0.17549	RESIDUAL	358.	2181.01587	6.09222	
ADJUSTED R SQUARE	0.17318					
STANDARD ERROR	2.46624					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STANDARD ERROR B	F
AGE	-0.4357517	-0.41891	0.05038	76.156
(CONSTANT)	7.712222			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL	TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

FILE NNAME (CREATION DATE = 25/C3/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 12

DEPENDENT VARIABLE.. ITEM12

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	R SQ CHANGE	SIMPLE R	B	BETA
AGE	0.41891	0.17549	0.17549	-0.41891	-0.4357517	-0.41891
(CONSTANT)					7.712222	

FILE NNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 13

DEPENDENT VARIABLE.. 15. Upper Lip Length

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE		CF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.44752	REGRESSION	1.	511.06510	511.06510	89.05329	
R SQUARE	0.20027	RESIDUAL	358.	2040.76545	5.70041		
ADJUSTED R SQUARE	0.19804						
STANDARD ERROR	2.38756						

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	0.4614583	0.44752	0.04874	89.653
(CONSTANT)	21.05861			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL	TCLEFACE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

FILE NNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 13

DEPENDENT VARIABLE.. ITEM15

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSC CHANGE	SIMPLE R	B	BETA
AGE	0.44752	0.20027	0.20027	0.44752	0.4614583	0.44752
(CONSTANT)					21.05861	

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FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 15

DEPENDENT VARIABLE.. 16. Lip Embrasure - Occlusal Plane

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

MULTIPLE R	C.20646	ANALYSIS OF VARIANCE	CF	SUM OF SQUARES	MEAN SQUARE	F
R SQUARE	0.04263	REGRESSION	1.	6C.8C167	6C.80167	15.93966
ADJUSTED R SQUARE	0.03995	RESIDUAL	358.	1365.58722	3.81449	
STANDARD ERROR	1.55307					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	0.1551667	0.20646	0.03587	15.940
(CONSTANT)	-5.604444			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL	TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

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FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 16

DEPENDENT VARIABLE.. ITEM16

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSC CHANGE	SINGLE R	B	BETA
AGE	0.20646	0.04263	0.04263	0.20646	0.1551667	0.20646
(CONSTANT)					-5.604444	

FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 17

DEPENDENT VARIABLE.. 17. Facial Depth

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.28259	REGRESSION	1.	280.16667	280.16667	31.06903
R SQUARE	0.07986	RESIDUAL	358.	3228.22222	9.01731	
ADJUSTED R SQUARE	0.07729					
STANDARD ERROR	3.00250					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	0.3416667	0.28259	0.06130	31.070
(CONSTANT)	82.70556			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 17

DEPENDENT VARIABLE.. ITEM17

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	R SQ CHANGE	SIMPLE R	B	BETA
AGE	0.28259	0.07986	0.07986	0.28259	0.3416667	0.28259
(CONSTANT)					82.70556	

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 17

DEPENDENT VARIABLE.. | 17. Facial Depth

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

MULTIPLE R	0.28259	ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
R SQUARE	0.07986	REGRESSION	1.	280.16667	280.16667	31.06963
ADJUSTED R SQUARE	0.07729	RESIDUAL	358.	3228.22222	9.01739	
STANDARD ERROR	3.00290					

----- VARIABLES IN THE EQUATION -----					----- VARIABLES NOT IN THE EQUATION -----				
VARIABLE	B	BETA	STD ERROR B	F	VARIABLE	BETA IN	PARTIAL TOLERANCE	F	
AGE	0.3416667	0.28259	0.06130	31.073	SEX	0.15305	0.15955	1.00000	9.325
(CONSTANT)	82.70556								

VARIABLE(S) ENTERED ON STEP NUMBER 2.. SEX

MULTIPLE R	0.32137	ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
R SQUARE	0.10328	REGRESSION	2.	362.34444	181.17222	20.55367
ADJUSTED R SQUARE	0.09826	RESIDUAL	357.	3146.04444	8.81245	
STANDARD ERROR	2.96858					

----- VARIABLES IN THE EQUATION -----					----- VARIABLES NOT IN THE EQUATION -----				
VARIABLE	B	BETA	STD ERROR B	F	VARIABLE	BETA IN	PARTIAL TOLERANCE	F	
AGE	0.3416667	0.28259	0.06060	31.732					
SEX	0.5555556	0.15305	0.31292	9.325					
(CONSTANT)	82.22778								

MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

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FILE NONAME (CREATION DATE = 26/04/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 17

DEPENDENT VARIABLE.. ITEM17

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
AGE	0.28259	0.07986	0.07986	0.28259	0.3416667	0.28259
SEX	0.32137	0.10328	0.02342	0.15305	0.9555555	0.15305
(CONSTANT)					82.22778	

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FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 21

DEPENDENT VARIABLE.. 21. Maxillary Height

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.27370	REGRESSION	1.	268.67042	268.67042	28.99053
R SQUARE	0.07491	RESIDUAL	358.	3317.77323	9.26752	
ADJUSTED R SQUARE	0.07233					
STANDARD ERROR	3.04426					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	0.3345833	0.27370	0.06214	28.991
(CONSTANT)	53.62250			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL	TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

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FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 21

DEPENDENT VARIABLE.. ITEM21

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSC CHANGE	SIMPLE R	B	BETA
AGE	0.27370	0.07491	0.07491	0.27370	0.3345833	0.27370
(CONSTANT)					53.62250	

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FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 25

DEPENDENT VARIABLE.. 25. Cranial Length, Anterior

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

MULTIPLE R	0.37568	ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
R SQUARE	0.14114	REGRESSION	1.	548.17042	548.17042	53.82945
ADJUSTED R SQUARE	0.13874	RESIDUAL	358.	3335.82556	9.31756	
STANDARD ERROR	3.05253					

----- VARIABLES IN THE EQUATION -----

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	0.4779167	0.37568	0.06231	58.825
(CONSTANT)	47.92167			

VARIABLE	BETA IN	PARTIAL	TOLERANCE	F

MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

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FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 25

DEPENDENT VARIABLE.. ITEM25

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSC CHANGE	SIMPLE R	B	BETA
AGE	0.37568	0.14114	0.14114	0.37568	0.4779167	0.37568
(CONSTANT)					47.92167	

FILE Ncname (CREATION DATE = 26/04/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 25

DEPENDENT VARIABLE.. | 25. Cranial Length, Anterior

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

MULTIPLE R	0.37568	ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
R SQUARE	0.14114	REGRESSION	1.	548.17042	548.17042	58.82945
ADJUSTED R SQUARE	0.13874	RESIDUAL	358.	3335.82958	9.31796	
STANDARD ERROR	3.05253					

----- VARIABLES IN THE EQUATION -----

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F	VARIABLE	BETA IN	PARTIAL TOLERANCE	F
AGE	0.4779167	0.37568	0.06231	58.829	SEX	-0.37295	-0.40243	1.00000
(CONSTANT)	47.93167							

VARIABLE(S) ENTERED ON STEP NUMBER 2.. SEX

MULTIPLE R	0.52936	ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
R SQUARE	0.28023	REGRESSION	2.	1088.39542	544.19771	69.49433
ADJUSTED R SQUARE	0.27619	RESIDUAL	357.	2795.60458	7.93383	
STANDARD ERROR	2.79836					

----- VARIABLES IN THE EQUATION -----

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F	VARIABLE	BETA IN	PARTIAL TOLERANCE	F
AGE	0.4779167	0.37568	0.05712	77.002				
SEX	-2.450000	-0.37295	0.29497	63.987				
(CONSTANT)	49.15667							

MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 25

DEPENDENT VARIABLE.. ITEM25

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
AGE	0.37568	0.14114	0.14114	0.37568	0.4779167	0.37568
SEX	0.52936	0.28023	0.13909	-0.37295	-2.450000	-0.37295
(CONSTANT)					49.15667	

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FILE NNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 20

DEPENDENT VARIABLE.. | 26. Posterior Facial Height

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

MULTIPLE R	0.68969	ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
R SQUARE	0.47567	REGRESSION	1.	7033.23844	7033.23844	324.77245
ADJUSTED R SQUARE	0.47420	RESIDUAL	358.	7752.81087	21.65550	
STANDARD ERROR	4.65359					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	1.711875	0.68969	0.09499	324.772
(CONSTANT)	40.25885			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL	TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

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FILE NNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 20

DEPENDENT VARIABLE.. ITEM26

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	R SQUARE CHANGE	SIMPLE R	B	BETA
AGE	0.68969	0.47567	0.47567	0.68969	1.711875	0.68969
(CONSTANT)					40.25885	

FILE NCNAME (CREATION DATE = 26/04/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 26

DEPENDENT VARIABLE.. | 26. Posterior Facial Height

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE			DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.68969	REGRESSION		1.	7033.23844	7033.23844	324.77245	
R SQUARE	0.47567	RESIDUAL		358.	7752.81087	21.65590		
ADJUSTED R SQUARE	0.47420							
STANDARD ERROR	4.65359							

----- VARIABLES IN THE EQUATION -----

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F	VARIABLE	BETA IN	PARTIAL TOLERANCE	F
AGE	1.711875	0.68969	0.09499	324.772	SEX	-0.15929	-0.21998	18.154
(CONSTANT)	40.25889							

VARIABLE(S) ENTERED ON STEP NUMBER 2.. SEX

		ANALYSIS OF VARIANCE			DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.70784	REGRESSION		2.	7408.39469	3704.19734	179.24375	
R SQUARE	0.50104	RESIDUAL		357.	7377.65462	20.66570		
ADJUSTED R SQUARE	0.49824							
STANDARD ERROR	4.54595							

----- VARIABLES IN THE EQUATION -----

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F	VARIABLE	BETA IN	PARTIAL TOLERANCE	F
AGE	1.711875	0.68969	0.09279	340.334				
SEX	-2.041667	-0.15929	0.47919	18.154				
(CONSTANT)	41.27972							

MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 26

DEPENDENT VARIABLE.. ITEM26

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
AGE	0.68969	0.47567	0.47567	0.68969	1.711875	0.68969
SEX	0.70784	0.50104	0.02537	-0.15929	-2.041667	-0.15929
(CONSTANT)					41.27972	

FILE NONAME (CREATION DATE = 26/04/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 28

DEPENDENT VARIABLE.. 28. Porion Location (TMJ)

VARIABLE(S) ENTERED CN STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE		DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.39582	REGRESSION	1.	617.62760	617.62760	66.50956	
R SQUARE	0.15667	RESIDUAL	358.	3324.49462	9.28630		
ADJUSTED R SQUARE	0.15432						
STANDARD ERROR	3.04734						

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	0.5072917	0.39582	0.06220	66.511
(CONSTANT)	31.54028			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL TOLERANCE	F
SEX	-0.14774	-0.16088	1.00000
			9.485

 VARIABLE(S) ENTERED CN STEP NUMBER 2.. SEX

		ANALYSIS OF VARIANCE		DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.42249	REGRESSION	2.	703.67205	351.83602	36.78567	
R SQUARE	0.17850	RESIDUAL	357.	3238.45017	9.07129		
ADJUSTED R SQUARE	0.17390						
STANDARD ERROR	3.01186						

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	0.5072917	0.39582	0.06148	68.035
SEX	-0.9777778	-0.14774	0.31748	9.435
(CONSTANT)	32.02917			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL TOLERANCE	F

MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

DEPENDENT VARIABLE.. ITEM28

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
AGE	0.39582	0.15667	0.15667	0.39582	0.5072917	0.39582
SEX	0.42249	0.17850	0.02183	-0.14774	-0.9777778	-0.14774
(CONSTANT)					32.02917	

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FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 30

DEPENDENT VARIABLE.. 30. Corpus Length

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.73791	REGRESSION	1.	5860.93760	5860.93760	427.96171
R SQUARE	0.54451	RESIDUAL	358.	4502.81170	12.65500	
ADJUSTED R SQUARE	0.54323					
STANDARD ERROR	3.70068					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	1.562708	0.73791	0.07554	427.962
(CONSTANT)	47.02389			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL	TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

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FILE NCNAME (CREATION DATE = 25/03/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 30

DEPENDENT VARIABLE.. ITEM30

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSC CHANGE	SIMPLE R	B	BETA
AGE	0.73791	0.54451	0.54451	0.73791	1.562708	0.73791
(CONSTANT)					47.02389	

FILE NONAME (CREATION DATE = 26/04/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 30

DEPENDENT VARIABLE.. 30. Corpus Length

VARIABLE(S) ENTERED ON STEP NUMBER 1.. AGE

		ANALYSIS OF VARIANCE		DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.73791	REGRESSION	1.	5860.93760	5860.93760	427.96171	
R SQUARE	0.54451	RESIDUAL	358.	4902.81170	13.69500		
ADJUSTED R SQUARE	0.54323						
STANDARD ERROR	3.70068						

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	1.562708	0.73791	0.07554	427.962
(CONSTANT)	47.02389			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL TOLERANCE	F
SEX	-0.13030	-0.19307	13.823

VARIABLE(S) ENTERED ON STEP NUMBER 2.. SEX

		ANALYSIS OF VARIANCE		DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.74932	REGRESSION	2.	6043.69385	3021.84693	223.55653	
R SQUARE	0.56149	RESIDUAL	357.	4720.05545	13.22144		
ADJUSTED R SQUARE	0.55903						
STANDARD ERROR	3.63613						

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
AGE	1.562708	0.73791	0.07422	443.293
SEX	-1.425000	-0.13030	0.38328	13.823
(CONSTANT)	47.73639			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL TOLERANCE	F
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MAXIMUM STEP REACHED

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 30

DEPENDENT VARIABLE.. ITEM30

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
AGE	0.73791	0.54451	0.54451	0.73791	1.562708	0.73791
SEX	0.74932	0.56149	0.01698	-0.13030	-1.425000	-0.13030
(CONSTANT)					47.73639	

FILE NONAME (CREATION DATE = 26/04/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 19

DEPENDENT VARIABLE.. 19. Facial Taper

VARIABLE(S) ENTERED ON STEP NUMBER 1.. SEX

		ANALYSIS OF VARIANCE		DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.17782	REGRESSION	1.	148.22500	148.22500	11.68924	
R SQUARE	0.03162	RESIDUAL	358.	4539.60556	12.69046		
ADJUSTED R SQUARE	0.02891						
STANDARD ERROR	3.56096						

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
SEX	-1.28333	-0.17782	0.37536	11.633
(CONSTANT)	66.05556			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL TOLERANCE	F
AGE	0.00388	0.00394	1.00000

F-LEVEL OR TOLERANCE-LEVEL INSUFFICIENT FOR FURTHER COMPUTATION
STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

FILE NONAME (CREATION DATE = 26/04/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
REGRESSION LIST 19

DEPENDENT VARIABLE.. ITEM19

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
SEX	0.17782	0.03162	0.03162	-0.17782	-1.28333	-0.17782
(CONSTANT)					66.05556	

FILE NONAME (CREATION DATE = 26/04/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 27

DEPENDENT VARIABLE.. 27. Ramus Position

VARIABLE(S) ENTERED ON STEP NUMBER 1.. SEX

		ANALYSIS OF VARIANCE	DF	SUM OF SQUARES	MEAN SQUARE	F
MULTIPLE R	0.17102	REGRESSION	1.	100.27778	100.27778	13.73584
R SQUARE	0.02925	RESIDUAL	358.	3328.38611	9.29717	
ADJUSTED R SQUARE	0.02654					
STANDARD ERROR	3.04913					

----- VARIABLES IN THE EQUATION -----

VARIABLE	B	BETA	STD ERROR B	F
SEX	1.055556	0.17102	0.32141	13.735
(CONSTANT)	74.44167			

----- VARIABLES NOT IN THE EQUATION -----

VARIABLE	BETA IN	PARTIAL	TOLERANCE	F
AGE	0.00139	0.00142	1.00000	0.001

F-LEVEL OR TOLERANCE-LEVEL INSUFFICIENT FOR FURTHER COMPUTATION

STATISTICS WHICH CANNOT BE COMPUTED ARE PRINTED AS ALL NINES.

FILE NONAME (CREATION DATE = 26/04/82)

***** MULTIPLE REGRESSION ***** VARIABLE LIST 1
 REGRESSION LIST 27

DEPENDENT VARIABLE.. ITEM27

SUMMARY TABLE

VARIABLE	MULTIPLE R	R SQUARE	RSQ CHANGE	SIMPLE R	B	BETA
SEX	0.17102	0.02925	0.02925	0.17102	1.055556	0.17102
(CONSTANT)					74.44167	

ประวัติผู้เขียน

นายไพฑูรย์ จินดาโรจนกุล เกิดเมื่อวันที่ 30 ตุลาคม 2499 อำเภอ
หนองจอก กรุงเทพมหานคร สำเร็จการศึกษาทันตแพทยศาสตรบัณฑิต จากคณะทันตแพทย-
ศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย พ.ศ. 2521 และเป็นทันตแพทย์ฝึกหัดที่คณะทันตแพทย-
ศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย พ.ศ. 2522 ได้เข้าศึกษาต่อในสาขาวิชาทันตกรรม
จัดฟัน ภาควิชาทันตกรรมจัดฟัน บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย พ.ศ. 2523