

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_INITIAL
Distribution	Normal
Link Function	Identity
Dependent Variable	ap_length

Number of Observations Read	7085
Number of Observations Used	6028
Missing Values	1057

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	57	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 729 730 731 732 733 734 736 737 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (57 levels)
Number of Clusters	57
Clusters With Missing Values	51
Correlation Matrix Dimension	288
Maximum Cluster Size	264
Minimum Cluster Size	6

Algorithm converged.

The GENMOD Procedure

Exchangeable Working
Correlation

Correlation 0.2541525309

GEE Fit Criteria

QIC 6110.8405
QICu 6030.0000Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	2278.849	126.2232	2031.457	2526.242	18.05	<.0001
opennotes after	-94.8839	99.8933	-290.671	100.9034	-0.95	0.3422
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_INITIAL
Distribution	Normal
Link Function	Identity
Dependent Variable	length_full

Number of Observations Read	7085
Number of Observations Used	7085

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	57	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 729 730 731 732 733 734 736 737 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (57 levels)
Number of Clusters	57
Correlation Matrix Dimension	288
Maximum Cluster Size	288
Minimum Cluster Size	9

Algorithm converged.

Exchangeable Working
Correlation

Correlation	0.4364346212
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The GENMOD Procedure

GEE Fit Criteria

QIC	7190.3959
QICu	7087.0000

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	7987.071	328.7739	7342.686	8631.456	24.29	<.0001
opennotes after	-184.394	162.0678	-502.041	133.2532	-1.14	0.2552
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_INITIAL
Distribution	Normal
Link Function	Identity
Dependent Variable	addenda_count

Number of Observations Read	7085
Number of Observations Used	7085

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	57	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 729 730 731 732 733 734 736 737 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (57 levels)
Number of Clusters	57
Correlation Matrix Dimension	288
Maximum Cluster Size	288
Minimum Cluster Size	9

Algorithm converged.

Exchangeable Working
Correlation

Correlation	0.5915756651
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The GENMOD Procedure

GEE Fit Criteria

QIC	7246.1599
QICu	7087.0000

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	0.5080	0.0635	0.3835	0.6326	7.99	<.0001
opennotes after	-0.1065	0.0483	-0.2012	-0.0119	-2.21	0.0274
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_INITIAL
Distribution	Binomial
Link Function	Log
Dependent Variable	dictate

Number of Observations Read	7085
Number of Observations Used	7085
Number of Events	3090
Number of Trials	7085

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	57	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 729 730 731 732 733 734 736 737 739 740 742 743 744

Response Profile

Ordered Value	dictate	Total Frequency
1	yes	3090
2	no	3995

PROC GENMOD is modeling the probability that dictate='yes'.

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (57 levels)
Number of Clusters	57
Correlation Matrix Dimension	288

The GENMOD Procedure

GEE Model Information

Maximum Cluster Size	288
Minimum Cluster Size	9

Algorithm converged.

Exchangeable Working
Correlation

Correlation 0.5776567305

GEE Fit Criteria

QIC	9918.8610
QICu	9768.2606

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	-0.7761	0.1116	-0.9948	-0.5574	-6.95	<.0001
opennotes after	-0.0781	0.0809	-0.2366	0.0804	-0.97	0.3341
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

opennotes Least Squares Means

opennotes	Estimate	Standard Error	z Value	Pr > z	Alpha	Lower	Upper
after	-0.8542	0.1227	-6.96	<.0001	0.05	-1.0947	-0.6138
before	-0.7761	0.1116	-6.95	<.0001	0.05	-0.9948	-0.5574

opennotes Least Squares Means

opennotes	Mean	Standard Error of Mean	Lower Mean	Upper Mean
after	0.4256	0.05222	0.3347	0.5413
before	0.4602	0.05136	0.3698	0.5727

Obs	Parm	Level1	RR	lower	upper
1	opennotes	after	0.92487	0.78933	1.08369
2	opennotes	before	1.00000	1.00000	1.00000

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_PROGRESS
Distribution	Normal
Link Function	Identity
Dependent Variable	ap_length

Number of Observations Read	118959
Number of Observations Used	98430
Missing Values	20529

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	60	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 719 720 721 723 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (60 levels)
Number of Clusters	60
Clusters With Missing Values	60
Correlation Matrix Dimension	7064
Maximum Cluster Size	6898
Minimum Cluster Size	11

Algorithm converged.

The GENMOD Procedure

Exchangeable Working
Correlation

Correlation 0.3495960493

GEE Fit Criteria

QIC 100227.6847

QICu 98432.0000

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	1435.348	104.3605	1230.806	1639.891	13.75	<.0001
opennotes after	161.3343	55.7588	52.0491	270.6194	2.89	0.0038
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_PROGRESS
Distribution	Normal
Link Function	Identity
Dependent Variable	length_full

Number of Observations Read	118959
Number of Observations Used	118959

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	60	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 719 720 721 723 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (60 levels)
Number of Clusters	60
Correlation Matrix Dimension	7064
Maximum Cluster Size	7064
Minimum Cluster Size	14

Algorithm converged.

Exchangeable Working Correlation

Correlation 0.5204449148

The GENMOD Procedure

GEE Fit Criteria

QIC	120725.5284
QICu	118961.0000

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	6174.321	303.7491	5578.984	6769.658	20.33	<.0001
opennotes after	473.2494	150.9597	177.3738	769.1250	3.13	0.0017
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_PROGRESS
Distribution	Normal
Link Function	Identity
Dependent Variable	addenda_count

Number of Observations Read	118959
Number of Observations Used	118959

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	60	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 719 720 721 723 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (60 levels)
Number of Clusters	60
Correlation Matrix Dimension	7064
Maximum Cluster Size	7064
Minimum Cluster Size	14

Algorithm converged.

Exchangeable Working Correlation

Correlation 0.4026384918

The GENMOD Procedure

GEE Fit Criteria

QIC	121040.1867
QICu	118961.0000

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	0.3526	0.0475	0.2595	0.4456	7.43	<.0001
opennotes after	-0.0342	0.0196	-0.0727	0.0043	-1.74	0.0816
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_PROGRESS
 Distribution Binomial
 Link Function Log
 Dependent Variable dictate

Number of Observations Read 118959
 Number of Observations Used 118959
 Number of Events 59999
 Number of Trials 118959

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	60	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 719 720 721 723 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745

Response Profile

Ordered Value	dictate	Total Frequency
1	yes	59999
2	no	58960

PROC GENMOD is modeling the probability that dictate='yes'.

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (60 levels)
Number of Clusters	60
Correlation Matrix Dimension	7064

The GENMOD Procedure

GEE Model Information

Maximum Cluster Size 7064
 Minimum Cluster Size 14

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.6800058323

GEE Fit Criteria

QIC 171912.8647
 QICu 170068.9565

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	-0.8512	0.0989	-1.0450	-0.6574	-8.61	<.0001
opennotes after	-0.1012	0.0608	-0.2205	0.0180	-1.66	0.0962
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

opennotes Least Squares Means

opennotes	Estimate	Standard Error	z Value	Pr > z	Alpha	Lower	Upper
after	-0.9524	0.1137	-8.38	<.0001	0.05	-1.1753	-0.7295
before	-0.8512	0.09889	-8.61	<.0001	0.05	-1.0450	-0.6574

opennotes Least Squares Means

opennotes	Mean	Standard Error of Mean	Lower Mean	Upper Mean
after	0.3858	0.04387	0.3087	0.4821
before	0.4269	0.04222	0.3517	0.5182

Obs	Parm	Level1	RR	lower	upper
1	opennotes	after	0.90374	0.80215	1.01819
2	opennotes	before	1.00000	1.00000	1.00000

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_LETTER
Distribution	Normal
Link Function	Identity
Dependent Variable	length_full

Number of Observations Read	17844
Number of Observations Used	17844

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	48	684 685 686 688 689 691 693 694 695 696 697 698 700 701 702 704 705 707 708 709 710 711 712 713 714 715 716 717 719 720 721 723 726 727 729 730 731 732 733 734 737 738 739 740 742 743 744 745

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (48 levels)
Number of Clusters	48
Correlation Matrix Dimension	6298
Maximum Cluster Size	6298
Minimum Cluster Size	8

Algorithm converged.

Exchangeable Working
Correlation

Correlation	0.1241656465
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The GENMOD Procedure

GEE Fit Criteria

QIC	18255.1083
QICu	17846.0000

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	4040.607	383.4009	3289.155	4792.059	10.54	<.0001
opennotes after	-22.5158	119.1993	-256.142	211.1105	-0.19	0.8502
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_READ_INIT
Distribution	Normal
Link Function	Identity
Dependent Variable	flesch_kincaid_

Number of Observations Read	3439
Number of Observations Used	3439

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	33	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 708 732 733 734 736 737 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (33 levels)
Number of Clusters	33
Correlation Matrix Dimension	286
Maximum Cluster Size	286
Minimum Cluster Size	11

Algorithm converged.

Exchangeable Working Correlation

Correlation 0.1685882242

The GENMOD Procedure

GEE Fit Criteria

QIC 3492.4225
 QICu 3441.0000

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	9.8136	0.2325	9.3579	10.2693	42.21	<.0001
opennotes after	-0.2529	0.2663	-0.7748	0.2691	-0.95	0.3424
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_INIT
 Distribution Normal
 Link Function Identity
 Dependent Variable gunning_fog_index_

Number of Observations Read 3439
 Number of Observations Used 3439

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	33	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 708 732 733 734 736 737 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (33 levels)
Number of Clusters	33
Correlation Matrix Dimension	286
Maximum Cluster Size	286
Minimum Cluster Size	11

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.1698181649

The GENMOD Procedure

GEE Fit Criteria

QIC 3493.4101
 QICu 3441.0000

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	13.8046	0.2386	13.3369	14.2723	57.85	<.0001
opennotes after	-0.2993	0.2894	-0.8665	0.2679	-1.03	0.3010
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_INIT
 Distribution Normal
 Link Function Identity
 Dependent Variable coleman_liau_

Number of Observations Read 3439
 Number of Observations Used 3439

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	33	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 708 732 733 734 736 737 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (33 levels)
Number of Clusters	33
Correlation Matrix Dimension	286
Maximum Cluster Size	286
Minimum Cluster Size	11

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.2489228706

The GENMOD Procedure

GEE Fit Criteria

QIC 3533.3956
 QICu 3441.0000

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	12.6197	0.1943	12.2388	13.0005	64.95	<.0001
opennotes after	0.0905	0.1352	-0.1745	0.3556	0.67	0.5032
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_INIT
 Distribution Normal
 Link Function Identity
 Dependent Variable smog_

Number of Observations Read 3439
 Number of Observations Used 3439

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	33	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 708 732 733 734 736 737 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (33 levels)
Number of Clusters	33
Correlation Matrix Dimension	286
Maximum Cluster Size	286
Minimum Cluster Size	11

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.2035824512

The GENMOD Procedure

GEE Fit Criteria

QIC 3498.6540
 QICu 3441.0000

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	12.7076	0.1732	12.3682	13.0470	73.37	<.0001
opennotes after	-0.2595	0.2066	-0.6644	0.1454	-1.26	0.2091
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_INIT
 Distribution Normal
 Link Function Identity
 Dependent Variable automated_readability_index_

Number of Observations Read 3439
 Number of Observations Used 3439

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	33	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 708 732 733 734 736 737 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (33 levels)
Number of Clusters	33
Correlation Matrix Dimension	286
Maximum Cluster Size	286
Minimum Cluster Size	11

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.2355810421

The GENMOD Procedure

GEE Fit Criteria

QIC 3495.1389
 QICu 3441.0000

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	9.6737	0.2923	9.1009	10.2466	33.10	<.0001
opennotes after	-0.2104	0.2663	-0.7323	0.3115	-0.79	0.4295
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_INIT
 Distribution Normal
 Link Function Identity
 Dependent Variable average_grade_level_

Number of Observations Read 3439
 Number of Observations Used 3439

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	33	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 708 732 733 734 736 737 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (33 levels)
Number of Clusters	33
Correlation Matrix Dimension	286
Maximum Cluster Size	286
Minimum Cluster Size	11

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.2002663379

The GENMOD Procedure

GEE Fit Criteria

QIC 3500.1068
 QICu 3441.0000

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	11.7230	0.2177	11.2963	12.1497	53.85	<.0001
opennotes after	-0.1864	0.2311	-0.6394	0.2667	-0.81	0.4201
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_PROG
 Distribution Normal
 Link Function Identity
 Dependent Variable flesch_kincaid_

Number of Observations Read 90485
 Number of Observations Used 90485

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	36	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 706 708 732 733 734 735 736 737 738 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (36 levels)
Number of Clusters	36
Correlation Matrix Dimension	7063
Maximum Cluster Size	7063
Minimum Cluster Size	364

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.1817013562

The GENMOD Procedure

GEE Fit Criteria

QIC 91416.5065
 QICu 90487.0000

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	9.3841	0.1359	9.1178	9.6504	69.07	<.0001
opennotes after	-0.2121	0.0687	-0.3468	-0.0774	-3.09	0.0020
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_PROG
 Distribution Normal
 Link Function Identity
 Dependent Variable gunning_fog_index_

Number of Observations Read 90485
 Number of Observations Used 90485

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	36	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 706 708 732 733 734 735 736 737 738 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (36 levels)
Number of Clusters	36
Correlation Matrix Dimension	7063
Maximum Cluster Size	7063
Minimum Cluster Size	364

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.1661987909

The GENMOD Procedure

GEE Fit Criteria

QIC 91357.5108
 QICu 90487.0000

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	13.3350	0.1441	13.0526	13.6175	92.54	<.0001
opennotes after	-0.2055	0.0715	-0.3457	-0.0654	-2.87	0.0041
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_PROG
 Distribution Normal
 Link Function Identity
 Dependent Variable coleman_liau_

Number of Observations Read 90485
 Number of Observations Used 90485

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	36	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 706 708 732 733 734 735 736 737 738 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (36 levels)
Number of Clusters	36
Correlation Matrix Dimension	7063
Maximum Cluster Size	7063
Minimum Cluster Size	364

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.3568199298

The GENMOD Procedure

GEE Fit Criteria

QIC 92070.1705
QICu 90487.0000

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	12.8767	0.1675	12.5484	13.2051	76.86	<.0001
opennotes after	0.0781	0.0681	-0.0554	0.2117	1.15	0.2517
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set	IN1.EXP_READ_PROG
Distribution	Normal
Link Function	Identity
Dependent Variable	smog_

Number of Observations Read	90485
Number of Observations Used	90485

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	36	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 706 708 732 733 734 735 736 737 738 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (36 levels)
Number of Clusters	36
Correlation Matrix Dimension	7063
Maximum Cluster Size	7063
Minimum Cluster Size	364

Algorithm converged.

Exchangeable Working
Correlation

Correlation 0.1814626458

The GENMOD Procedure

GEE Fit Criteria

QIC 91518.7483
QICu 90487.0000

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	12.2601	0.1018	12.0606	12.4596	120.44	<.0001
opennotes after	-0.2101	0.0625	-0.3326	-0.0877	-3.36	0.0008
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_PROG
 Distribution Normal
 Link Function Identity
 Dependent Variable automated_readability_index_

Number of Observations Read 90485
 Number of Observations Used 90485

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	36	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 706 708 732 733 734 735 736 737 738 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure Exchangeable
 Subject Effect prov_id (36 levels)
 Number of Clusters 36
 Correlation Matrix Dimension 7063
 Maximum Cluster Size 7063
 Minimum Cluster Size 364

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.1757126932

The GENMOD Procedure

GEE Fit Criteria

QIC 91547.8514
 QICu 90487.0000

Analysis Of GEE Parameter Estimates
 Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	9.6433	0.2116	9.2286	10.0581	45.57	<.0001
opennotes after	-0.2850	0.0923	-0.4659	-0.1042	-3.09	0.0020
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.

The GENMOD Procedure

Model Information

Data Set IN1.EXP_READ_PROG
 Distribution Normal
 Link Function Identity
 Dependent Variable average_grade_level_

Number of Observations Read 90485
 Number of Observations Used 90485

Class Level Information

Class	Levels	Values
opennotes	2	after before
prov_id	36	683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 704 705 706 708 732 733 734 735 736 737 738 739 740 742 743 744

Parameter Information

Parameter	Effect	opennotes
Prm1	Intercept	
Prm2	opennotes	after
Prm3	opennotes	before

Algorithm converged.

GEE Model Information

Correlation Structure	Exchangeable
Subject Effect	prov_id (36 levels)
Number of Clusters	36
Correlation Matrix Dimension	7063
Maximum Cluster Size	7063
Minimum Cluster Size	364

Algorithm converged.

Exchangeable Working
 Correlation

Correlation 0.2146484505

The GENMOD Procedure

GEE Fit Criteria

QIC 91586.9562
QICu 90487.0000

Analysis Of GEE Parameter Estimates
Empirical Standard Error Estimates

Parameter	Estimate	Standard Error	95% Confidence Limits		Z	Pr > Z
Intercept	11.4999	0.1426	11.2205	11.7793	80.67	<.0001
opennotes after	-0.1669	0.0654	-0.2951	-0.0387	-2.55	0.0107
opennotes before	0.0000	0.0000	0.0000	0.0000	.	.