

```

name: <unnamed>
log: U:\RKunnavakkam\Adam_Stein\output.smcl
log type: smcl
opened on: 19 Feb 2013, 16:06:26

```

```

1 . // YEAR 2001
   unrecognized command: / invalid command name
   r(199);

2 . //*****
   unrecognized command: / invalid command name
   r(199);

3 .
4 . // PART1. UC or CD cases
   unrecognized command: / invalid command name
   r(199);

5 .
6 . //*****
   unrecognized command: / invalid command name
   r(199);

7 .
8 .
9 .
10 . svyset hospid [pweight=discwt], strata (nis_stratum) singleunit(centered)

      pweight: discwt
          VCE: linearized
Single unit: centered
   Strata 1: nis_stratum
        SU 1: hospid
      FPC 1: <zero>

11 .
12 . svy: logistic uc_cd_new region season_new
    (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1809449
Number of PSUs	=	500	Population size	=	9049484.6
			Design df	=	442
			F(2, 441)	=	10.90
			Prob > F	=	0.0000

uc_cd_new	Linearized					
	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]	
region	1.713094	.1973467	4.67	0.000	1.366012	2.148365
season_new	.9997766	.0458608	-0.00	0.996	.9135877	1.094097

_cons	388.6565	86.35966	26.83	0.000	251.1361	601.482
--------------	-----------------	-----------------	--------------	--------------	-----------------	----------------

Note: strata with single sampling unit centered at overall mean.

13 .

14 . svy: logistic uc_cd_new i.region
(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	4265087
Number of PSUs	=	557	Population size	=	21198251
			Design df	=	499
			F(1, 499)	=	17.38
			Prob > F	=	0.0000

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.629813	.1909762	4.17	0.000	1.294656	2.051735
_cons	651.2202	70.31693	60.00	0.000	526.7372	805.122

Note: strata with single sampling unit centered at overall mean.

15 .

16 . margins region

Adjusted predictions	Number of obs	=	4265087
Model VCE : Linearized			
Expression : Pr(uc_cd_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9984668	.0001653	6040.35	0.000	.9981428	.9987908
2	.9990587	.0000427	2.3e+04	0.000	.9989749	.9991425

17 .

18 . margins region, post

Adjusted predictions	Number of obs	=	4265087
Model VCE : Linearized			
Expression : Pr(uc_cd_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				

region						
1	.9984668	.0001653	6040.35	0.000	.9981428	.9987908
2	.9990587	.0000427	2.3e+04	0.000	.9989749	.9991425

```

19 .
20 . // OVERALL INCIDENCE RATE UC or CD cases : North REGION
    unrecognized command: / invalid command name
    r(199);

```

```

21 .
22 . lincom 1-1.region

```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0015332	.0001653	9.28	0.000	.0012092 .0018572

```

23 .
24 . // OVERALL INCIDENCE RATE UC or CD cases : South REGION
    unrecognized command: / invalid command name
    r(199);

```

```

25 .
26 . lincom 1-2.region

```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0009413	.0000427	22.02	0.000	.0008575 .0010251

```

27 .
28 . // This gives results for within region comparing season1 and season 2
    unrecognized command: / invalid command name
    r(199);
29 .
30 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
    unrecognized command: / invalid command name
    r(199);

```

```

31 .
32 . svy: logistic uc_cd_new rls
    (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata = 36 Number of obs = 895633

```

Number of PSUs      =      247
Population size     = 4645214.8
Design df           =      211
F(   1,   211)      =      0.02
Prob > F            =      0.8954

```

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.007341	.0559517	0.13	0.895	.9028686	1.123901
_cons	658.2925	88.65748	48.19	0.000	504.8002	858.4565

Note: strata with single sampling unit centered at overall mean.

```

33 .
34 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month
    unrecognized command: / invalid command name
    r(199);
35 .
36 . svy: logistic uc_cd_new  r2s
    (running logistic on estimation sample)

```

Survey: Logistic regression

```

Number of strata    =      31
Number of PSUs      =      253
Number of obs       =      913816
Population size     = 4404269.8
Design df           =      222
F(   1,   222)      =      0.03
Prob > F            =      0.8624

```

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9862716	.0785847	-0.17	0.862	.8429509	1.15396
_cons	1164.065	158.1731	51.96	0.000	890.5983	1521.502

Note: strata with single sampling unit centered at overall mean.

```

37 .
38 .
39 .
40 . //*****
    unrecognized command: / invalid command name
    r(199);
41 .
42 . // PART2. UC cases only
    unrecognized command: / invalid command name
    r(199);
43 .
44 . //*****

```

unrecognized command: / invalid command name

r(199).;

45 .

46 . svy: logistic uc_cases_new i.region season_new
(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1809449
Number of PSUs	=	500	Population size	=	9049484.6
			Design df	=	442
			F(2, 441)	=	10.92
			Prob > F	=	0.0000

uc_cases_new	Linearized					
	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]	
2.region	2.038883	.3198578	4.54	0.000	1.497925	2.775202
season_new	1.010277	.0836666	0.12	0.902	.8585275	1.188849
_cons	1777.614	373.4634	35.62	0.000	1176.292	2686.331

Note: strata with single sampling unit centered at overall mean.

47 .

48 . margins region

Predictive margins	Number of obs	=	1809449
Model VCE : Linearized			
Expression : Pr(uc_cases_new), predict()			

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9994463	.000077	1.3e+04	0.000	.9992954	.9995973
2	.9997284	.0000192	5.2e+04	0.000	.9996908	.9997659

49 .

50 . margins region, post

Predictive margins	Number of obs	=	1809449
Model VCE : Linearized			
Expression : Pr(uc_cases_new), predict()			

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	

region						
1	.9994463	.000077	1.3e+04	0.000	.9992954	.9995973
2	.9997284	.0000192	5.2e+04	0.000	.9996908	.9997659

```

51 .
52 . // OVERALL INCIDENCE RATE UC only: North REGION
    unrecognized command: / invalid command name
    r(199);

```

```

53 .
54 . lincom 1-1.region

```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0005537	.000077	7.19	0.000	.0004027 .0007046

```

55 .
56 . // OVERALL INCIDENCE RATE UC only : South REGION
    unrecognized command: / invalid command name
    r(199);

```

```

57 .
58 . lincom 1-2.region

```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0002716	.0000192	14.17	0.000	.0002341 .0003092

```

59 .
60 .
61 .
62 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
    unrecognized command: / invalid command name
    r(199);

```

```

63 .
64 . svy: logistic uc_cases_new rls
    (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	895633
Number of PSUs	=	247	Population size	=	4645214.8
			Design df	=	211
			F(1, 211)	=	0.67

Prob > F = 0.4133

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.082486	.1046768	0.82	0.413	.8946141	1.309811
_cons	1603.258	357.6727	33.08	0.000	1032.791	2488.826

Note: strata with single sampling unit centered at overall mean.

```
65 .
66 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);
```

```
67 .
68 . svy: logistic uc_cases_new r2s
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	31	Number of obs	=	913816
Number of PSUs	=	253	Population size	=	4404269.8
			Design df	=	222
			F(1, 222)	=	0.95
			Prob > F	=	0.3310

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.8708695	.1235973	-0.97	0.331	.6583926	1.151917
_cons	4536.89	1018.426	37.51	0.000	2914.983	7061.233

Note: strata with single sampling unit centered at overall mean.

```
69 .
70 .
71 .
72 . //*****
unrecognized command: / invalid command name
r(199);

73 .
74 . // PART3. CD Cases only
unrecognized command: / invalid command name
r(199);

75 .
76 . *****

77 .
78 . svy: logistic cd_cases_new i.region season_new
```

(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1809449
Number of PSUs	=	500	Population size	=	9049484.6
			Design df	=	442
			F(2, 441)	=	8.86
			Prob > F	=	0.0002

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.550355	.1640464	4.14	0.000	1.259263	1.908736
season_new	1.010421	.0531303	0.20	0.844	.9112161	1.120427
_cons	975.6526	107.852	62.27	0.000	785.1309	1212.407

Note: strata with single sampling unit centered at overall mean.

79 .

80 . svy: logistic cd_cases_new i.region
(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	4265087
Number of PSUs	=	557	Population size	=	21198251
			Design df	=	499
			F(1, 499)	=	13.46
			Prob > F	=	0.0003

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.501617	.1663744	3.67	0.000	1.207868	1.866805
_cons	979.1612	97.53338	69.14	0.000	805.1201	1190.825

Note: strata with single sampling unit centered at overall mean.

81 .

82 . margins region

Adjusted predictions	Number of obs	=	4265087
Model VCE : Linearized			
Expression : Pr(cd_cases_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						

1	.9989798	.0001015	9840.08	0.000	.9987808	.9991787
2	.9993203	.000033	3.0e+04	0.000	.9992557	.999385

83 .

84 . margins region, post

Adjusted predictions

Number of obs = 4265087

Model VCE : Linearized

Expression : **Pr(cd_cases_new), predict()**

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9989798	.0001015	9840.08	0.000	.9987808	.9991787
2	.9993203	.000033	3.0e+04	0.000	.9992557	.999385

85 .

```
86 . // OVERALL INCIDENCE RATE CD only: North REGION
```

```
unrecognized command: / invalid command name
```

r(199).

87 .

```
88 . lincom 1-1.region
```

```
( 1)  - lbn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0010202	.0001015	10.05	0.000	.0008213	.0012192

89 .

```
90 . // OVERALL INCIDENCE RATE CD only: South REGION
```

```
unrecognized command: / invalid command name
```

r(199).

91 .

```
92 . lincom 1-2.region
```

(1) - 2.region = -1

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0006797	.000033	20.61	0.000	.000615	.0007443

93 .

```

94 .
95 .
96 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
    unrecognized command: / invalid command name
    r(199);

```

```

97 .
98 . svy: logistic cd_cases_new rls
    (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	895633
Number of PSUs	=	247	Population size	=	4645214.8
			Design df	=	211
			F(1, 211)	=	0.01
			Prob > F	=	0.9091

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	.9922869	.0672432	-0.11	0.909	.8682047	1.134103
_cons	1002.633	126.3769	54.82	0.000	782.0477	1285.436

Note: strata with single sampling unit centered at overall mean.

```

99 .
100 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
    unrecognized command: / invalid command name
    r(199);

```

```

101 .
102 . svy: logistic cd_cases_new r2s
    (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	31	Number of obs	=	913816
Number of PSUs	=	253	Population size	=	4404269.8
			Design df	=	222
			F(1, 222)	=	0.24
			Prob > F	=	0.6281

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	1.040773	.0857514	0.49	0.628	.8847883	1.224257
_cons	1447.35	208.6251	50.49	0.000	1089.447	1922.829

Note: strata with single sampling unit centered at overall mean.

```

103 . clear

```

```

104 . // YEAR 2002
      unrecognized command: / invalid command name
      r(199);

105 . use "U:\RKunnavakkam\Adam_Stein\2002\UC_CD_2002_req.dta", clear

106 . //*****
      unrecognized command: / invalid command name
      r(199);

107 .
108 . // PART1. UC or CD cases
      unrecognized command: / invalid command name
      r(199);

109 .
110 . //*****
      unrecognized command: / invalid command name
      r(199);

111 .
112 .
113 .
114 . svyset hospid [pweight=discwt], strata (nis_stratum) singleunit(centered)

      pweight: discwt
      VCE: linearized
      Single unit: centered
      Strata 1: nis_stratum
      SU 1: hospid
      FPC 1: <zero>

115 .
116 . svy: logistic uc_cd_new region season_new
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1718528
Number of PSUs	=	490	Population size	=	8357508.6
			Design df	=	432
			F(2, 431)	=	7.79
			Prob > F	=	0.0005

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
region	1.541895	.1696237	3.94	0.000	1.242084	1.914073
season_new	1.005729	.044957	0.13	0.898	.9211382	1.098089
_cons	429.2868	82.62343	31.50	0.000	294.0758	626.6655

Note: strata with single sampling unit centered at overall mean.

```

117 .
118 . svy: logistic uc_cd_new i.region
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	4180307
Number of PSUs	=	543	Population size	=	20203730
			Design df	=	485
			F(1, 485)	=	26.52
			Prob > F	=	0.0000

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.603857	.1471172	5.15	0.000	1.339344	1.92061
_cons	661.4406	46.97947	91.44	0.000	575.2838	760.5005

Note: strata with single sampling unit centered at overall mean.

```

119 .
120 . margins region

```

Adjusted predictions	Number of obs	=	4180307
Model VCE : Linearized			
Expression : Pr(uc_cd_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9984904	.0001071	9326.74	0.000	.9982806	.9987003
2	.9990583	.0000553	1.8e+04	0.000	.9989499	.9991666

```

121 .
122 . margins region, post

```

Adjusted predictions	Number of obs	=	4180307
Model VCE : Linearized			
Expression : Pr(uc_cd_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9984904	.0001071	9326.74	0.000	.9982806	.9987003
2	.9990583	.0000553	1.8e+04	0.000	.9989499	.9991666

```

123 .
124 . // OVERALL INCIDENCE RATE UC or CD cases : North REGION
      unrecognized command: / invalid command name
      r(199);

```

```

125 .
126 . lincom 1-1.region

```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0015096	.0001071	14.10	0.000	.0012997	.0017194

```

127 .
128 . // OVERALL INCIDENCE RATE UC or CD cases : South REGION
      unrecognized command: / invalid command name
      r(199);

```

```

129 .
130 . lincom 1-2.region

```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0009417	.0000553	17.04	0.000	.0008334	.0010501

```

131 .
132 . // This gives results for within region comparing season1 and season 2
      unrecognized command: / invalid command name
      r(199);

```

```

133 .
134 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

135 .
136 . svy: logistic uc_cd_new rls
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	861149
Number of PSUs	=	244	Population size	=	4345308.2
			Design df	=	208
			F(1, 208)	=	0.95

Prob > F = 0.3312

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.0588	.0621107	0.97	0.331	.9431678	1.188608
_cons	612.9152	71.85878	54.74	0.000	486.4303	772.2895

Note: strata with single sampling unit centered at overall mean.

```
137 .
138 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month
unrecognized command: / invalid command name
r(199);
```

```
139 .
140 . svy: logistic uc_cd_new r2s
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	26	Number of obs	=	857379
Number of PSUs	=	246	Population size	=	4012200.4
			Design df	=	220
			F(1, 220)	=	1.38
			Prob > F	=	0.2422

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9230333	.0630397	-1.17	0.242	.8067926	1.056022
_cons	1161.585	145.0245	56.53	0.000	908.2185	1485.634

Note: strata with single sampling unit centered at overall mean.

```
141 .
142 .
143 .
144 . //*****
unrecognized command: / invalid command name
r(199);

145 .
146 . // PART2. UC cases only
unrecognized command: / invalid command name
r(199);

147 .
148 . //*****
unrecognized command: / invalid command name
r(199);
```

```

149 .
150 . svy: logistic uc_cases_new i.region season_new
    (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1718528
Number of PSUs	=	490	Population size	=	8357508.6
			Design df	=	432
			F(2, 431)	=	8.84
			Prob > F	=	0.0002

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.79584	.2497609	4.21	0.000	1.366318	2.360387
season_new	1.040338	.07194	0.57	0.568	.9081295	1.191793
_cons	1733.694	265.3395	48.73	0.000	1283.309	2342.144

Note: strata with single sampling unit centered at overall mean.

```

151 .
152 . margins region

```

Predictive margins	Number of obs	=	1718528
Model VCE	: Linearized		
Expression	: Pr(uc_cases_new), predict()		

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9994566	.0000525	1.9e+04	0.000	.9993537	.9995595
2	.9996974	.0000304	3.3e+04	0.000	.9996377	.999757

```

153 .
154 . margins region, post

```

Predictive margins	Number of obs	=	1718528
Model VCE	: Linearized		
Expression	: Pr(uc_cases_new), predict()		

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9994566	.0000525	1.9e+04	0.000	.9993537	.9995595
2	.9996974	.0000304	3.3e+04	0.000	.9996377	.999757

```

155 .
156 . // OVERALL INCIDENCE RATE UC only: North REGION
      unrecognized command: / invalid command name
      r(199);

```

```

157 .
158 . lincom 1-1.region

```

```
( 1)  - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0005434	.0000525	10.35	0.000	.0004405	.0006463

```

159 .
160 . // OVERALL INCIDENCE RATE UC only : South REGION
      unrecognized command: / invalid command name
      r(199);

```

```

161 .
162 . lincom 1-2.region

```

```
( 1)  - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0003026	.0000304	9.94	0.000	.000243	.0003623

```

163 .
164 .
165 .
166 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

167 .
168 . svy: logistic uc_cases_new rls
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	861149
Number of PSUs	=	244	Population size	=	4345308.2
			Design df	=	208
			F(1, 208)	=	0.13
			Prob > F	=	0.7150

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.031173	.0865554	0.37	0.715	.8739057	1.216742
_cons	1756.775	306.4105	42.84	0.000	1245.615	2477.7

Note: strata with single sampling unit centered at overall mean.

```
169 .
170 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);
```

```
171 .
172 . svy: logistic uc_cases_new r2s
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	26	Number of obs	=	857379
Number of PSUs	=	246	Population size	=	4012200.4
			Design df	=	220
			F(1, 220)	=	0.21
			Prob > F	=	0.6451

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	1.058395	.1302345	0.46	0.645	.830479	1.348859
_cons	3034.797	606.4071	40.13	0.000	2046.932	4499.413

Note: strata with single sampling unit centered at overall mean.

```
173 .
174 .
175 .
176 . //*****
unrecognized command: / invalid command name
r(199);
```

```
177 .
178 . // PART3. CD Cases only
unrecognized command: / invalid command name
r(199);
```

```
179 .
180 . *****
```

```
181 .
182 . svy: logistic cd_cases_new i.region season_new
(running logistic on estimation sample)
```

Survey: Logistic regression

```

Number of strata   =      58
Number of PSUs    =     490
Number of obs     =   1718528
Population size    =  8357508.6
Design df         =      432
F( 2, 431)        =      5.66
Prob > F          =     0.0037

```

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.440422	.1618528	3.25	0.001	1.154984	1.796402
season_new	.9777391	.0519688	-0.42	0.672	.8807503	1.085408
_cons	1007.584	116.0894	60.02	0.000	803.404	1263.655

Note: strata with single sampling unit centered at overall mean.

183 .

184 . svy: logistic cd_cases_new i.region
(running logistic on estimation sample)

Survey: Logistic regression

```

Number of strata   =      58
Number of PSUs    =     543
Number of obs     =   4180307
Population size    =  20203730
Design df         =      485
F( 1, 485)        =     22.21
Prob > F          =     0.0000

```

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.536246	.139961	4.71	0.000	1.284451	1.837402
_cons	964.9174	67.57587	98.13	0.000	840.8702	1107.264

Note: strata with single sampling unit centered at overall mean.

185 .

186 . margins region

```

Adjusted predictions
Model VCE      : Linearized
Expression     : Pr(cd_cases_new), predict()
Number of obs  =   4180307

```

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9989647	.0000724	1.4e+04	0.000	.9988228	.9991067
2	.9993259	.0000395	2.5e+04	0.000	.9992485	.9994032

```
187 .
188 . margins region, post
```

Adjusted predictions	Number of obs	=	4180307
Model VCE	: Linearized		
Expression	: Pr(cd_cases_new), predict()		

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9989647	.0000724	1.4e+04	0.000	.9988228	.9991067
2	.9993259	.0000395	2.5e+04	0.000	.9992485	.9994032

```

189 .
190 . // OVERALL INCIDENCE RATE CD only: North REGION
    unrecognized command: / invalid command name
r(199).

```

```
191 .
192 . lincom 1-1.region
```

(1) - lbn.region = -1

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0010353	.0000724	14.29	0.000	.0008933	.0011772

```

193 .
194 . // OVERALL INCIDENCE RATE CD only: South REGION
    unrecognized command: / invalid command name
    r(199);

```

```
195 .
196 . lincom 1-2.region
```

(1) - 2.region = -1

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0006741	.0000395	17.08	0.000	.0005968	.0007515

```
197 .
198 .
199 .
200 . //Comparison within North Region between Winter and Summer Season (Reference: Winter month)
```

unrecognized command: / invalid command name
r(199);

201 .

202 . svy: logistic cd_cases_new rls
 (running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	861149
Number of PSUs	=	244	Population size	=	4345308.2
			Design df	=	208
			F(1, 208)	=	0.31
			Prob > F	=	0.5806

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.040318	.074316	0.55	0.581	.9036576	1.197646
_cons	917.9732	121.3946	51.59	0.000	707.3048	1191.388

Note: strata with single sampling unit centered at overall mean.

203 .

204 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);

205 .

206 . svy: logistic cd_cases_new r2s
 (running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	26	Number of obs	=	857379
Number of PSUs	=	246	Population size	=	4012200.4
			Design df	=	220
			F(1, 220)	=	2.38
			Prob > F	=	0.1246

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.8874899	.0687193	-1.54	0.125	.761885	1.033802
_cons	1680.935	226.8481	55.03	0.000	1288.377	2193.103

Note: strata with single sampling unit centered at overall mean.

207 . clear

208 . // YEAR 2003

unrecognized command: / invalid command name

```

r(199);

209 . use "U:\RKunnavakkam\Adam_Stein\2003\UC_CD_2003_req.dta", clear

210 . //*****
unrecognized command: / invalid command name
r(199);

211 .
212 . // PART1. UC or CD cases
unrecognized command: / invalid command name
r(199);

213 .
214 . //*****
unrecognized command: / invalid command name
r(199);

215 .
216 .
217 .
218 . svyset hospid [pweight=discwt], strata (nis_stratum) singleunit(centered)

      pweight: discwt
           VCE: linearized
Single unit: centered
   Strata 1: nis_stratum
        SU 1: hospid
      FPC 1: <zero>

219 .
220 . svy: logistic uc_cd_new region season_new
      (running logistic on estimation sample)

Survey: Logistic regression

Number of strata   =      58           Number of obs       = 1766113
Number of PSUs    =     483           Population size      = 8419553.4
                                           Design df           =      425
                                           F( 2, 424)          =      3.83
                                           Prob > F             =     0.0226


```

uc_cd_new	Odds Ratio	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
region	1.432543	.2104967	2.45	0.015	1.073187	1.912228
season_new	.9463155	.0289884	-1.80	0.072	.8910184	1.005044
_cons	219.6049	56.81791	20.84	0.000	132.0637	365.1746

```

Note: strata with single sampling unit centered at overall mean.

221 .
222 . svy: logistic uc_cd_new i.region

```

(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	4215803
Number of PSUs	=	542	Population size	=	19903380
			Design df	=	484
			F(1, 484)	=	5.92
			Prob > F	=	0.0153

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.391106	.1886805	2.43	0.015	1.065662	1.815938
_cons	290.7338	35.4818	46.48	0.000	228.7455	369.5205

Note: strata with single sampling unit centered at overall mean.

223 .

224 . margins region

Adjusted predictions	Number of obs	=	4215803
Model VCE : Linearized			
Expression : Pr(uc_cd_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9965722	.0004169	2390.43	0.000	.9957551	.9973893
2	.9975336	.0001456	6849.57	0.000	.9972481	.997819

225 .

226 . margins region, post

Adjusted predictions	Number of obs	=	4215803
Model VCE : Linearized			
Expression : Pr(uc_cd_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9965722	.0004169	2390.43	0.000	.9957551	.9973893
2	.9975336	.0001456	6849.57	0.000	.9972481	.997819

227 .

```

228 . // OVERALL INCIDENCE RATE UC or CD cases : North REGION
      unrecognized command: / invalid command name
      r(199);

```

```

229 .
230 . lincom 1-1.region

```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0034278	.0004169	8.22	0.000	.0026107	.0042449

```

231 .
232 . // OVERALL INCIDENCE RATE UC or CD cases : South REGION
      unrecognized command: / invalid command name
      r(199);

```

```

233 .
234 . lincom 1-2.region

```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0024664	.0001456	16.94	0.000	.002181	.0027519

```

235 .
236 . // This gives results for within region comparing season1 and season 2
      unrecognized command: / invalid command name
      r(199);

```

```

237 .
238 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

239 .
240 . svy: logistic uc_cd_new rls
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	37	Number of obs	=	799489
Number of PSUs	=	221	Population size	=	3956949.7
			Design df	=	184
			F(1, 184)	=	3.37
			Prob > F	=	0.0680

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	.9320047	.0357488	-1.84	0.068	.8640772	1.005272
_cons	321.9499	44.58493	41.70	0.000	244.9797	423.1035

Note: strata with single sampling unit centered at overall mean.

```

241 .
242 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month
unrecognized command: / invalid command name
r(199);

```

```

243 .
244 . svy: logistic uc_cd_new r2s
(running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	32	Number of obs	=	966624
Number of PSUs	=	262	Population size	=	4462603.6
			Design df	=	230
			F(1, 230)	=	0.54
			Prob > F	=	0.4647

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9647604	.047256	-0.73	0.465	.8760024	1.062512
_cons	437.7266	57.73487	46.11	0.000	337.55	567.6333

Note: strata with single sampling unit centered at overall mean.

```

245 .
246 .
247 .
248 . //*****
unrecognized command: / invalid command name
r(199);

249 .
250 . // PART2. UC cases only
unrecognized command: / invalid command name
r(199);

251 .
252 . //*****
unrecognized command: / invalid command name
r(199);

253 .
254 . svy: logistic uc_cases_new i.region season_new
(running logistic on estimation sample)

```


Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1766113
Number of PSUs	=	483	Population size	=	8419553.4
			Design df	=	425
			F(2, 424)	=	3.01
			Prob > F	=	0.0505

uc_cases_new	Linearized				
	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]
2.region	1.43177	.2241606	2.29	0.022	1.052512 1.947689
season_new	.9297857	.0450359	-1.50	0.134	.8453481 1.022657
_cons	809.8794	117.584	46.13	0.000	608.813 1077.35

Note: strata with single sampling unit centered at overall mean.

255 .

256 . margins region

Predictive margins	Number of obs	=	1766113
Model VCE : Linearized			
Expression : Pr(uc_cases_new), predict()			

	Delta-method				
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]
region					
1	.9986238	.0001902	5249.52	0.000	.998251 .9989966
2	.9990384	.0000703	1.4e+04	0.000	.9989006 .9991762

257 .

258 . margins region, post

Predictive margins	Number of obs	=	1766113
Model VCE : Linearized			
Expression : Pr(uc_cases_new), predict()			

	Delta-method				
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]
region					
1	.9986238	.0001902	5249.52	0.000	.998251 .9989966
2	.9990384	.0000703	1.4e+04	0.000	.9989006 .9991762

259 .

```

260 . // OVERALL INCIDENCE RATE UC only: North REGION
      unrecognized command: / invalid command name
      r(199);

```

```

261 .
262 . lincom 1-1.region

```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0013762	.0001902	7.23	0.000	.0010034	.001749

```

263 .
264 . // OVERALL INCIDENCE RATE UC only : South REGION
      unrecognized command: / invalid command name
      r(199);

```

```

265 .
266 . lincom 1-2.region

```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0009616	.0000703	13.67	0.000	.0008238	.0010994

```

267 .
268 .
269 .
270 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

271 .
272 . svy: logistic uc_cases_new rls
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	37	Number of obs	=	799489
Number of PSUs	=	221	Population size	=	3956949.7
			Design df	=	184
			F(1, 184)	=	2.55
			Prob > F	=	0.1118

	Linearized				
uc_cases_new	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]

rls	.906655	.0555981	-1.60	0.112	.803339	1.023258
_cons	841.5475	127.9024	44.32	0.000	623.523	1135.808

Note: strata with single sampling unit centered at overall mean.

```
273 .
274 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);
```

```
275 .
276 . svy: logistic uc_cases_new r2s
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	32	Number of obs	=	966624
Number of PSUs	=	262	Population size	=	4462603.6
			Design df	=	230
			F(1, 230)	=	0.29
			Prob > F	=	0.5938

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9599407	.0734731	-0.53	0.594	.8255616	1.116193
_cons	1104.921	175.63	44.09	0.000	807.8201	1511.289

Note: strata with single sampling unit centered at overall mean.

```
277 .
278 .
279 .
280 . //*****
unrecognized command: / invalid command name
r(199);

281 .
282 . // PART3. CD Cases only
unrecognized command: / invalid command name
r(199);

283 .
284 . *****

285 .
286 . svy: logistic cd_cases_new i.region season_new
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1766113
Number of PSUs	=	483	Population size	=	8419553.4

Design df = 425
 F(2, 424) = 3.67
 Prob > F = 0.0262

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.437211	.210598	2.48	0.014	1.077546	1.916926
season_new	.954554	.0395577	-1.12	0.262	.8798832	1.035562
_cons	481.2049	68.80261	43.20	0.000	363.3103	637.3563

Note: strata with single sampling unit centered at overall mean.

287 .

288 . svy: logistic cd_cases_new i.region
 (running logistic on estimation sample)

Survey: Logistic regression

Number of strata = 58 Number of obs = 4215803
 Number of PSUs = 542 Population size = 19903380
 Design df = 484
 F(1, 484) = 5.97
 Prob > F = 0.0149

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.390373	.187573	2.44	0.015	1.066619	1.812398
_cons	447.3038	53.4034	51.12	0.000	353.7719	565.5643

Note: strata with single sampling unit centered at overall mean.

289 .

290 . margins region

Adjusted predictions Number of obs = 4215803
 Model VCE : Linearized

Expression : Pr(cd_cases_new), predict()

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9977694	.0002657	3754.97	0.000	.9972486	.9982902
2	.9983947	.0001006	9923.55	0.000	.9981975	.9985918

291 .

292 . margins region, post


```

305 .
306 . svy: logistic cd_cases_new rls
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	37	Number of obs	=	799489
Number of PSUs	=	221	Population size	=	3956949.7
			Design df	=	184
			F(1, 184)	=	0.93
			Prob > F	=	0.3353

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	.9472292	.0531599	-0.97	0.335	.8479458	1.058137
_cons	486.8493	78.18423	38.53	0.000	354.6444	668.3377

Note: strata with single sampling unit centered at overall mean.

```

307 .
308 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

309 .
310 . svy: logistic cd_cases_new r2s
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	32	Number of obs	=	966624
Number of PSUs	=	262	Population size	=	4462603.6
			Design df	=	230
			F(1, 230)	=	0.35
			Prob > F	=	0.5540

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9639547	.0597144	-0.59	0.554	.8531945	1.089094
_cons	681.4443	97.92127	45.40	0.000	513.4149	904.4659

Note: strata with single sampling unit centered at overall mean.

```

311 . clear

312 . use "U:\RKunnavakkam\Adam_Stein\2004\UC_CD_2004_req.dta", clear

313 . //YEAR 2004
      unrecognized command: / invalid command name
      r(199);

```

```

314 . //*****
      unrecognized command: / invalid command name
      r(199);

315 .
316 . // PART1. UC or CD cases
      unrecognized command: / invalid command name
      r(199);

317 .
318 . //*****
      unrecognized command: / invalid command name
      r(199);

319 .
320 .
321 .
322 . svyset hospid [pweight=discwt], strata (nis_stratum) singleunit(centered)

```

```

      pweight: discwt
      VCE: linearized
      Single unit: centered
      Strata 1: nis_stratum
      SU 1: hospid
      FPC 1: <zero>

```

```

323 .
324 . svy: logistic uc_cd_new region season_new
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	2023240
Number of PSUs	=	541	Population size	=	9664823.3
			Design df	=	483
			F(2, 482)	=	10.52
			Prob > F	=	0.0000

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
region	1.718777	.2148208	4.33	0.000	1.344513	2.197222
season_new	.958824	.0242077	-1.67	0.096	.9124191	1.007589
_cons	161.9594	38.17299	21.58	0.000	101.9244	257.3558

Note: strata with single sampling unit centered at overall mean.

```

325 .
326 . svy: logistic uc_cd_new i.region
      (running logistic on estimation sample)

```

Survey: Logistic regression

```

Number of strata   =      58
Number of PSUs    =     597
Number of obs     =   4738069
Population size   =   22482509
Design df        =      539
F( 1, 539)       =     11.76
Prob > F         =     0.0007

```

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.520892	.1859981	3.43	0.001	1.196096	1.933885
_cons	263.2022	29.91894	49.03	0.000	210.5296	329.0529

Note: strata with single sampling unit centered at overall mean.

```

327 .
328 . margins region

```

```

Adjusted predictions      Number of obs   =   4738069
Model VCE      : Linearized

Expression      : Pr(uc_cd_new), predict()

```

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.996215	.0004286	2324.23	0.000	.9953749	.9970551
2	.9975081	.0001111	8989.79	0.000	.9972906	.9977256

```

329 .
330 . margins region, post

```

```

Adjusted predictions      Number of obs   =   4738069
Model VCE      : Linearized

Expression      : Pr(uc_cd_new), predict()

```

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.996215	.0004286	2324.23	0.000	.9953749	.9970551
2	.9975081	.0001111	8989.79	0.000	.9972906	.9977256

```

331 .
332 . // OVERALL INCIDENCE RATE UC or CD cases : North REGION
      unrecognized command: / invalid command name
      r(199);

```



```
333 .
334 . lincom 1-1.region
```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.003785	.0004286	8.83	0.000	.0029449	.0046251

```
335 .
336 . // OVERALL INCIDENCE RATE UC or CD cases : South REGION
unrecognized command: / invalid command name
r(199);
```

```
337 .
338 . lincom 1-2.region
```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0024919	.000111	22.46	0.000	.0022744	.0027094

```
339 .
340 . // This gives results for within region comparing season1 and season 2
unrecognized command: / invalid command name
r(199);
```

```
341 .
342 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);
```

```
343 .
344 . svy: logistic uc_cd_new rls
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	988507
Number of PSUs	=	258	Population size	=	4834112.3
			Design df	=	222
			F(1, 222)	=	0.25
			Prob > F	=	0.6199

	Linearized				
uc_cd_new	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]

r1s	.9852911	.0293915	-0.50	0.620	.9290386	1.04495
_cons	267.1501	31.07259	48.04	0.000	212.4263	335.9715

Note: strata with single sampling unit centered at overall mean.

```

345 .
346 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month
unrecognized command: / invalid command name
r(199);

```

```

347 .
348 . svy: logistic uc_cd_new r2s
(running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	33	Number of obs	=	1034733
Number of PSUs	=	283	Population size	=	4830711
			Design df	=	250
			F(1, 250)	=	3.64
			Prob > F	=	0.0576

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9150636	.0425825	-1.91	0.058	.834926	1.002893
_cons	513.5339	47.59459	67.34	0.000	427.854	616.3717

Note: strata with single sampling unit centered at overall mean.

```

349 .
350 .
351 .
352 . //*****
unrecognized command: / invalid command name
r(199);

```

```

353 .
354 . // PART2. UC cases only
unrecognized command: / invalid command name
r(199);

```

```

355 .
356 . //*****
unrecognized command: / invalid command name
r(199);

```

```

357 .
358 . svy: logistic uc_cases_new i.region season_new
(running logistic on estimation sample)

```

Survey: Logistic regression

```

Number of strata   =      58
Number of PSUs    =     541
Number of obs     =    2023240
Population size   =   9664823.3
Design df        =      483
F( 2, 482)       =      8.85
Prob > F         =     0.0002

```

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.726057	.2345581	4.02	0.000	1.321577	2.25433
season_new	.9696014	.0402838	-0.74	0.458	.8935928	1.052075
_cons	718.712	102.3124	46.20	0.000	543.3473	950.6755

Note: strata with single sampling unit centered at overall mean.

359 .

360 . margins region

```

Predictive margins
Model VCE      : Linearized
Expression     : Pr(uc_cases_new), predict()
Number of obs  =    2023240

```

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9985446	.0001749	5708.30	0.000	.9982017	.9988874
2	.9991563	.0000533	1.9e+04	0.000	.9990518	.9992608

361 .

362 . margins region, post

```

Predictive margins
Model VCE      : Linearized
Expression     : Pr(uc_cases_new), predict()
Number of obs  =    2023240

```

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9985446	.0001749	5708.30	0.000	.9982017	.9988874
2	.9991563	.0000533	1.9e+04	0.000	.9990518	.9992608

363 .

364 . // OVERALL INCIDENCE RATE UC only: North REGION

unrecognized command: / invalid command name

r(199);

```
365 .
366 . lincom 1-1.region
```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0014554	.0001749	8.32	0.000	.0011126	.0017983

```
367 .
368 . // OVERALL INCIDENCE RATE UC only : South REGION
unrecognized command: / invalid command name
r(199);
```

```
369 .
370 . lincom 1-2.region
```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0008437	.0000533	15.82	0.000	.0007392	.0009482

```
371 .
372 .
373 .
374 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);
```

```
375 .
376 . svy: logistic uc_cases_new rls
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	988507
Number of PSUs	=	258	Population size	=	4834112.3
			Design df	=	222
			F(1, 222)	=	1.64
			Prob > F	=	0.2018

	Odds Ratio	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
uc_cases_new						
rls	1.059809	.0480853	1.28	0.202	.9691601	1.158937
_cons	628.8918	83.97379	48.26	0.000	483.3869	818.1954

Note: strata with single sampling unit centered at overall mean.

```
377 .
378 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);
```

```
379 .
380 . svy: logistic uc_cases_new r2s
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	33	Number of obs	=	1034733
Number of PSUs	=	283	Population size	=	4830711
			Design df	=	250
			F(1, 250)	=	5.03
			Prob > F	=	0.0258

uc_cases_new	Linearized				
	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]
r2s	.831268	.0685209	-2.24	0.026	.7067011 .9777917
_cons	1568.779	230.0931	50.17	0.000	1175.192 2094.185

Note: strata with single sampling unit centered at overall mean.

```
381 .
382 .
383 .
384 . //*****
unrecognized command: / invalid command name
r(199);
```

```
385 .
386 . // PART3. CD Cases only
unrecognized command: / invalid command name
r(199);
```

```
387 .
388 . *****
```

```
389 .
390 . svy: logistic cd_cases_new i.region season_new
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	2023240
Number of PSUs	=	541	Population size	=	9664823.3
			Design df	=	483
			F(2, 482)	=	10.13
			Prob > F	=	0.0000

cd_cases_new	Linearized					
	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]	
2.region	1.739291	.2193824	4.39	0.000	1.357493	2.22847
season_new	.9568585	.0315453	-1.34	0.182	.8968404	1.020893
_cons	422.7595	51.31455	49.82	0.000	333.0542	536.6261

Note: strata with single sampling unit centered at overall mean.

391 .

392 . svy: logistic cd_cases_new i.region
(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	4738069
Number of PSUs	=	597	Population size	=	22482509
			Design df	=	539
			F(1, 539)	=	12.64
			Prob > F	=	0.0004

cd_cases_new	Linearized					
	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]	
2.region	1.550219	.1911311	3.56	0.000	1.216773	1.975042
_cons	400.8016	46.18203	52.02	0.000	319.6169	502.6078

Note: strata with single sampling unit centered at overall mean.

393 .

394 . margins region

Adjusted predictions	Number of obs	=	4738069
Model VCE : Linearized			
Expression : Pr(cd_cases_new), predict()			

	Delta-method				
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]
region					
1	.9975112	.0002861	3487.13	0.000	.9969506 .9980719
2	.9983931	.0000692	1.4e+04	0.000	.9982575 .9985288

395 .

396 . margins region, post

Adjusted predictions	Number of obs	=	4738069
Model VCE : Linearized			

Expression : `Pr(cd_cases_new), predict()`

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9975112	.0002861	3487.13	0.000	.9969506	.9980719
2	.9983931	.0000692	1.4e+04	0.000	.9982575	.9985288

```
397 .
398 . // OVERALL INCIDENCE RATE CD only: North REGION
    unrecognized command: / invalid command name
    r(199);
```

```
399 .
400 . lincom 1-1.region
```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0024888	.0002861	8.70	0.000	.0019281	.0030494

```
401 .
402 . // OVERALL INCIDENCE RATE CD only: South REGION
    unrecognized command: / invalid command name
    r(199);
```

```
403 .
404 . lincom 1-2.region
```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0016069	.0000692	23.22	0.000	.0014712	.0017425

```
405 .
406 .
407 .
408 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
    unrecognized command: / invalid command name
    r(199);
```

```
409 .
410 . svy: logistic cd_cases_new rls
    (running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	988507
Number of PSUs	=	258	Population size	=	4834112.3
			Design df	=	222
			F(1, 222)	=	0.74
			Prob > F	=	0.3910

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	.96452	.040536	-0.86	0.391	.8878541	1.047806
_cons	417.6855	51.86542	48.60	0.000	327.0193	533.4888

Note: strata with single sampling unit centered at overall mean.

```

411 .
412 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);

413 .
414 . svy: logistic cd_cases_new r2s
(running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	33	Number of obs	=	1034733
Number of PSUs	=	283	Population size	=	4830711
			Design df	=	250
			F(1, 250)	=	1.20
			Prob > F	=	0.2740

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9436972	.0498788	-1.10	0.274	.8504011	1.047229
_cons	750.8509	76.5634	64.93	0.000	614.2362	917.8505

Note: strata with single sampling unit centered at overall mean.

```

415 . clear

416 . use "U:\RKunnavakkam\Adam_Stein\2005\UC_CD_2005_req.dta", clear

417 . //*****
unrecognized command: / invalid command name
r(199);

418 .
419 . // PART1. UC or CD cases

```


unrecognized command: / invalid command name

r(199);

420 .

421 . //*****

unrecognized command: / invalid command name

r(199);

422 .

423 .

424 .

425 . svyset hospid [pweight=discwt], strata (nis_stratum) singleunit(centered)

pweight: **discwt**

VCE: **linearized**

Single unit: **centered**

Strata 1: **nis_stratum**

SU 1: **hospid**

FPC 1: <zero>

426 .

427 . svy: logistic uc_cd_new region season_new
(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	59	Number of obs	=	2100195
Number of PSUs	=	607	Population size	=	10289325
			Design df	=	548
			F(2, 547)	=	13.73
			Prob > F	=	0.0000

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
region	1.621051	.1494263	5.24	0.000	1.352572	1.942822
season_new	1.034598	.0463113	0.76	0.448	.9475137	1.129687
_cons	378.9618	57.42823	39.18	0.000	281.3961	510.3555

Note: strata with single sampling unit centered at overall mean.

428 .

429 . svy: logistic uc_cd_new i.region
(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	59	Number of obs	=	4819620
Number of PSUs	=	658	Population size	=	23552265
			Design df	=	599
			F(1, 599)	=	32.25
			Prob > F	=	0.0000

uc_cd_new	Linearized					
	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]	
2.region	1.572614	.1253725	5.68	0.000	1.344699	1.83916
_cons	656.9747	34.88432	122.18	0.000	591.9154	729.1848

Note: strata with single sampling unit centered at overall mean.

430 .

```
431 . margins region
```

Adjusted predictions	Number of obs	=	4819620
Model VCE	: Linearized		
Expression	: Pr(uc_cd_new), predict()		

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9984802	.0000806	1.2e+04	0.000	.9983223	.9986381
2	.999033	.0000575	1.7e+04	0.000	.9989203	.9991458

432 .

433 . margins region, post

Adjusted predictions	Number of obs	=	4819620
Model VCE	: Linearized		
Expression	: Pr(uc_cd_new), predict()		

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9984802	.0000806	1.2e+04	0.000	.9983223	.9986381
2	.999033	.0000575	1.7e+04	0.000	.9989203	.9991458

434 .

435 . / OVERALL INCIDENCE RATE UC or CD cases : North REGION

```
unrecognized command: / invalid command name
r(199);
```

```
436 . lincom 1-1.region
```

(1) - lbn.region = -1

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
--	-------	-----------	---	------	----------------------

(1)	.0015198	.0000806	18.86	0.000	.0013619	.0016777
-----	----------	----------	-------	-------	----------	----------

437 . // OVERALL INCIDENCE RATE UC or CD cases : South REGION

unrecognized command: / invalid command name

r(199);

438 . lincom 1-2.region

(1) - 2.region = -1

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.000967	.0000575	16.81	0.000	.0008542	.0010797

439 . // This gives results for within region comparing season1 and season 2

unrecognized command: / invalid command name

r(199);

440 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)

unrecognized command: / invalid command name

r(199);

441 . svy: logistic uc_cd_new rls

(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	37	Number of obs	=	980627
Number of PSUs	=	273	Population size	=	4877690.8
			Design df	=	236
			F(1, 236)	=	1.88
			Prob > F	=	0.1719

uc_cd_new	Odds Ratio	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
rls	1.085044	.0646302	1.37	0.172	.9649047	1.220141
_cons	572.2046	60.11215	60.44	0.000	465.2309	703.7753

Note: strata with single sampling unit centered at overall mean.

442 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)

unrecognized command: / invalid command name

r(199);

443 . svy: logistic uc_cd_new r2s

(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	35	Number of obs	=	1119568
Number of PSUs	=	334	Population size	=	5411634.2
			Design df	=	299
			F(1, 299)	=	0.30
			Prob > F	=	0.5840

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9651923	.0623744	-0.55	0.584	.8499285	1.096088
_cons	1104.906	136.5129	56.72	0.000	866.424	1409.029

Note: strata with single sampling unit centered at overall mean.

```

444 .
445 . //*****
unrecognized command: / invalid command name
r(199);

446 . // PART2. UC cases only
unrecognized command: / invalid command name
r(199);

447 . //*****
unrecognized command: / invalid command name
r(199);

448 . svy: logistic uc_cases_new i.region season_new
(running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	59	Number of obs	=	2100195
Number of PSUs	=	607	Population size	=	10289325
			Design df	=	548
			F(2, 547)	=	8.39
			Prob > F	=	0.0003

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.654095	.2064029	4.03	0.000	1.294523	2.113543
season_new	1.066629	.0720063	0.96	0.340	.934164	1.217878
_cons	1654.041	206.9905	59.22	0.000	1293.567	2114.966

Note: strata with single sampling unit centered at overall mean.

449 . margins region

Predictive margins	Number of obs	=	2100195
Model VCE : Linearized			

Expression : **Pr(uc_cases_new), predict()**

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9994512	.0000439	2.3e+04	0.000	.9993652	.9995372
2	.9996682	.0000317	3.2e+04	0.000	.999606	.9997303

450 . margins region, post

Predictive margins Number of obs = **2100195**
 Model VCE : **Linearized**

Expression : **Pr(uc_cases_new), predict()**

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9994512	.0000439	2.3e+04	0.000	.9993652	.9995372
2	.9996682	.0000317	3.2e+04	0.000	.999606	.9997303

451 . // OVERALL INCIDENCE RATE UC only: North REGION

unrecognized command: / invalid command name

r(199);

452 . lincom 1-1.region

(1) - 1bn.region = -1

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0005488	.0000439	12.50	0.000	.0004628	.0006348

453 . // OVERALL INCIDENCE RATE UC only : South REGION

unrecognized command: / invalid command name

r(199);

454 . lincom 1-2.region

(1) - 2.region = -1

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0003318	.0000317	10.47	0.000	.0002697	.000394

```

455 .
456 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);

```

```

457 . svy: logistic uc_cases_new rls
(running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	37	Number of obs	=	980627
Number of PSUs	=	273	Population size	=	4877690.8
			Design df	=	236
			F(1, 236)	=	1.99
			Prob > F	=	0.1598

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.125632	.0944724	1.41	0.160	.9540871	1.32802
_cons	1527.088	211.3287	52.98	0.000	1162.684	2005.701

Note: strata with single sampling unit centered at overall mean.

```

458 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);

```

```

459 . svy: logistic uc_cases_new r2s
(running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	35	Number of obs	=	1119568
Number of PSUs	=	334	Population size	=	5411634.2
			Design df	=	299
			F(1, 299)	=	0.02
			Prob > F	=	0.8868

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9844932	.1079536	-0.14	0.887	.7934065	1.221602
_cons	3082.999	556.1097	44.54	0.000	2161.773	4396.8

Note: strata with single sampling unit centered at overall mean.

```

460 .
461 . //*****
unrecognized command: / invalid command name

```

```
r(199);
```

```
462 . // PART3. CD Cases only
```

```
unrecognized command: / invalid command name
```

```
r(199);
```

```
463 . *****
```

```
464 . svy: logistic cd_cases_new i.region season_new
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	59	Number of obs	=	2100195
Number of PSUs	=	607	Population size	=	10289325
			Design df	=	548
			F(2, 547)	=	12.46
			Prob > F	=	0.0000

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.588351	.1474104	4.99	0.000	1.323653	1.905983
season_new	1.004275	.0515766	0.08	0.934	.9079055	1.110873
_cons	927.6276	92.21741	68.73	0.000	763.0739	1127.667

Note: strata with single sampling unit centered at overall mean.

```
465 . svy: logistic cd_cases_new i.region
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	59	Number of obs	=	4819620
Number of PSUs	=	658	Population size	=	23552265
			Design df	=	599
			F(1, 599)	=	25.88
			Prob > F	=	0.0000

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.499233	.1193489	5.09	0.000	1.282244	1.752942
_cons	950.8768	51.77611	125.94	0.000	854.4403	1058.198

Note: strata with single sampling unit centered at overall mean.

```
466 . margins region
```

Adjusted predictions	Number of obs	=	4819620
Model VCE : Linearized			

Expression : `Pr(cd_cases_new), predict()`

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9989494	.0000571	1.7e+04	0.000	.9988374	.9990614
2	.999299	.0000407	2.5e+04	0.000	.9992193	.9993788

```
467 . margins region, post
```

Adjusted predictions Number of obs = **4819620**
Model VCE : **Linearized**

```
Expression      : Pr(cd_cases_new), predict()
```

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9989494	.0000571	1.7e+04	0.000	.9988374	.9990614
2	.999299	.0000407	2.5e+04	0.000	.9992193	.9993788

```
468 . // OVERALL INCIDENCE RATE CD only: North REGION
      unrecognized command: / invalid command name
      r(199).
```

```
469 . lincom 1-1.region
```

```
( 1)  - lbn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0010506	.0000571	18.38	0.000	.0009386	.0011626

```
470 . // OVERALL INCIDENCE RATE CD only: South REGION
      unrecognized command: / invalid command name
      r(199).i
```

```
471 . lincom 1-2.region
```

(1) - 2.region = -1

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.000701	.0000407	17.22	0.000	.0006212	.0007807


```

472 .
473 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
  r(199);

```

```

474 . svy: logistic cd_cases_new rls
    (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	37	Number of obs	=	980627
Number of PSUs	=	273	Population size	=	4877690.8
			Design df	=	236
			F(1, 236)	=	0.55
			Prob > F	=	0.4607

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.053654	.0745223	0.74	0.461	.9166098	1.211189
_cons	863.2286	106.551	54.77	0.000	676.8895	1100.865

Note: strata with single sampling unit centered at overall mean.

```

475 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
  r(199);

```

```

476 . svy: logistic cd_cases_new r2s
    (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	35	Number of obs	=	1119568
Number of PSUs	=	334	Population size	=	5411634.2
			Design df	=	299
			F(1, 299)	=	0.85
			Prob > F	=	0.3580

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9376287	.0655864	-0.92	0.358	.8170488	1.076004
_cons	1633.699	221.3345	54.61	0.000	1251.359	2132.858

Note: strata with single sampling unit centered at overall mean.

```

477 . clear

```

```

478 . //YEAR 2006
unrecognized command: / invalid command name

```

```

r(199);

479 . use "U:\RKunnavakkam\Adam_Stein\2006\UC_CD_2006.req.dta", clear

480 . //*****
unrecognized command: / invalid command name
r(199);

481 .
482 . // PART1. UC or CD cases
unrecognized command: / invalid command name
r(199);

483 .
484 . //*****
unrecognized command: / invalid command name
r(199);

485 .
486 .
487 .
488 . svyset hospid [pweight=discwt], strata (nis_stratum) singleunit(centered)

      pweight: discwt
           VCE: linearized
Single unit: centered
      Strata 1: nis_stratum
           SU 1: hospid
           FPC 1: <zero>

489 .
490 . svy: logistic uc_cd_new region season_new
      (running logistic on estimation sample)

Survey: Logistic regression

Number of strata   =      57           Number of obs       =   2038691
Number of PSUs     =     576           Population size      =  10067234
                                           Design df           =      519
                                           F( 2, 518)           =    18.31
                                           Prob > F              =    0.0000


```

uc_cd_new	Odds Ratio	Linearized Std. Err.	t	P> t	[95% Conf. Interval]	
region	1.472575	.0948534	6.01	0.000	1.29754	1.671223
season_new	.9882785	.0270012	-0.43	0.666	.9366318	1.042773
_cons	196.9481	20.2538	51.37	0.000	160.9204	241.0419

```

Note: strata with single sampling unit centered at overall mean.

491 .
492 . svy: logistic uc_cd_new i.region

```

(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	57	Number of obs	=	4762963
Number of PSUs	=	628	Population size	=	23289253
			Design df	=	571
			F(1, 571)	=	26.67
			Prob > F	=	0.0000

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.370952	.0837628	5.16	0.000	1.215919	1.545751
_cons	294.0673	14.20497	117.66	0.000	267.4496	323.3341

Note: strata with single sampling unit centered at overall mean.

493 .

494 . margins region

Adjusted predictions	Number of obs	=	4762963
Model VCE : Linearized			
Expression : Pr(uc_cd_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9966109	.0001632	6108.40	0.000	.9962912	.9969307
2	.9975257	.0000946	1.1e+04	0.000	.9973404	.997711

495 .

496 . margins region, post

Adjusted predictions	Number of obs	=	4762963
Model VCE : Linearized			
Expression : Pr(uc_cd_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9966109	.0001632	6108.40	0.000	.9962912	.9969307
2	.9975257	.0000946	1.1e+04	0.000	.9973404	.997711

497 .

```

498 . // OVERALL INCIDENCE RATE UC or CD cases : North REGION
      unrecognized command: / invalid command name
      r(199);

```

```

499 .
500 . lincom 1-1.region

```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0033891	.0001632	20.77	0.000	.0030693	.0037088

```

501 .
502 . // OVERALL INCIDENCE RATE UC or CD cases : South REGION
      unrecognized command: / invalid command name
      r(199);

```

```

503 .
504 . lincom 1-2.region

```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0024743	.0000946	26.17	0.000	.002289	.0026596

```

505 .
506 . // This gives results for within region comparing season1 and season 2
      unrecognized command: / invalid command name
      r(199);

```

```

507 .
508 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

509 .
510 . svy: logistic uc_cd_new rls
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	979030
Number of PSUs	=	266	Population size	=	5080610.2
			Design df	=	230
			F(1, 230)	=	0.07
			Prob > F	=	0.7899

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	.9902392	.0364117	-0.27	0.790	.9210332	1.064645
_cons	289.1546	17.70983	92.53	0.000	256.2836	326.2416

Note: strata with single sampling unit centered at overall mean.

```
511 .
512 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month
unrecognized command: / invalid command name
r(199);
```

```
513 .
514 . svy: logistic uc_cd_new r2s
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	34	Number of obs	=	1059661
Number of PSUs	=	310	Population size	=	4986623.8
			Design df	=	276
			F(1, 276)	=	0.14
			Prob > F	=	0.7111

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9853515	.0392231	-0.37	0.711	.9110849	1.065672
_cons	428.9823	32.85699	79.14	0.000	368.9404	498.7954

Note: strata with single sampling unit centered at overall mean.

```
515 .
516 .
517 .
518 . //*****
unrecognized command: / invalid command name
r(199);
```

```
519 .
520 . // PART2. UC cases only
unrecognized command: / invalid command name
r(199);
```

```
521 .
522 . //*****
unrecognized command: / invalid command name
r(199);
```

```
523 .
524 . svy: logistic uc_cases_new i.region season_new
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	57	Number of obs	=	2038691
Number of PSUs	=	576	Population size	=	10067234
			Design df	=	519
			F(2, 518)	=	16.37
			Prob > F	=	0.0000

uc_cases_new	Linearized					
	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]	
2.region	1.516607	.1103929	5.72	0.000	1.314528	1.749751
season_new	.9714783	.0426078	-0.66	0.510	.8912782	1.058895
_cons	751.2585	59.55004	83.54	0.000	642.9237	877.848

Note: strata with single sampling unit centered at overall mean.

525 .

526 . margins region

Predictive margins	Number of obs	=	2038691
Model VCE : Linearized			
Expression : Pr(uc_cases_new), predict()			

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9986116	.0000693	1.4e+04	0.000	.9984757	.9987475
2	.9990841	.0000506	2.0e+04	0.000	.998985	.9991832

527 .

528 . margins region, post

Predictive margins	Number of obs	=	2038691
Model VCE : Linearized			
Expression : Pr(uc_cases_new), predict()			

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9986116	.0000693	1.4e+04	0.000	.9984757	.9987475
2	.9990841	.0000506	2.0e+04	0.000	.998985	.9991832

529 .

```

530 . // OVERALL INCIDENCE RATE UC only: North REGION
      unrecognized command: / invalid command name
      r(199);

```

```

531 .
532 . lincom 1-1.region

```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0013884	.0000693	20.02	0.000	.0012525	.0015243

```

533 .
534 . // OVERALL INCIDENCE RATE UC only : South REGION
      unrecognized command: / invalid command name
      r(199);

```

```

535 .
536 . lincom 1-2.region

```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0009159	.0000506	18.11	0.000	.0008168	.001015

```

537 .
538 .
539 .
540 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

541 .
542 . svy: logistic uc_cases_new rls
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	979030
Number of PSUs	=	266	Population size	=	5080610.2
			Design df	=	230
			F(1, 230)	=	0.26
			Prob > F	=	0.6134

	Linearized				
uc_cases_new	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]

rls	.9727597	.0531043	-0.51	0.613	.8735575	1.083227
_cons	749.761	66.7751	74.33	0.000	629.0892	893.58

Note: strata with single sampling unit centered at overall mean.

```
543 .
544 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);
```

```
545 .
546 . svy: logistic uc_cases_new r2s
      (running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	34	Number of obs	=	1059661
Number of PSUs	=	310	Population size	=	4986623.8
			Design df	=	276
			F(1, 276)	=	0.19
			Prob > F	=	0.6645

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	.9695043	.069159	-0.43	0.665	.8424854	1.115673
_cons	1142.853	138.7405	58.00	0.000	899.9134	1451.376

Note: strata with single sampling unit centered at overall mean.

```
547 .
548 .
549 .
550 . //*****
      unrecognized command: / invalid command name
      r(199);

551 .
552 . // PART3. CD Cases only
      unrecognized command: / invalid command name
      r(199);

553 .
554 . *****

555 .
556 . svy: logistic cd_cases_new i.region season_new
      (running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	57	Number of obs	=	2038691
Number of PSUs	=	576	Population size	=	10067234


```

Design df      =      519
F(    2,    518) =     13.63
Prob > F       =     0.0000

```

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.452103	.1058831	5.12	0.000	1.258303	1.675752
season_new	1.012645	.0346213	0.37	0.713	.9468633	1.082996
_cons	435.1751	28.9385	91.37	0.000	381.881	495.9067

Note: strata with single sampling unit centered at overall mean.

557 .

558 . svy: logistic cd_cases_new i.region
(running logistic on estimation sample)

Survey: Logistic regression

```

Number of strata =      57
Number of PSUs  =     628
Number of obs   =   4762963
Population size  =  23289253
Design df       =      571
F(    1,    571) =     22.26
Prob > F        =     0.0000

```

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.381998	.0947653	4.72	0.000	1.207856	1.581245
_cons	456.0802	24.60863	113.47	0.000	410.2188	507.0688

Note: strata with single sampling unit centered at overall mean.

559 .

560 . margins region

```

Adjusted predictions
Model VCE      : Linearized
Number of obs  =   4762963

```

Expression : **Pr(cd_cases_new), predict()**

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9978122	.0001178	8471.22	0.000	.9975813	.9980431
2	.998416	.0000674	1.5e+04	0.000	.9982838	.9985481

561 .

562 . margins region, post

Adjusted predictions	Number of obs	=	4762963
Model VCE	: Linearized		
Expression	: Pr(cd_cases_new), predict()		

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9978122	.0001178	8471.22	0.000	.9975813	.9980431
2	.998416	.0000674	1.5e+04	0.000	.9982838	.9985481

```

563 .
564 . // OVERALL INCIDENCE RATE CD only: North REGION
    unrecognized command: / invalid command name
    r(199);
565 .
566 . lincom 1-1.region

```

```
( 1)  - lbn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0021878	.0001178	18.57	0.000	.0019569	.0024187

```

567 .
568 . // OVERALL INCIDENCE RATE CD only: South REGION
      unrecognized command: / invalid command name
      r(199).i

```

```
569 .
570 . lincom 1-2.region
```

(1) - 2.region = -1

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.001584	.0000674	23.49	0.000	.0014519 .0017162

```

571 .
572 .
573 .
574 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

575 .
576 . svy: logistic cd_cases_new rls
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	979030
Number of PSUs	=	266	Population size	=	5080610.2
			Design df	=	230
			F(1, 230)	=	0.14
			Prob > F	=	0.7049

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.016446	.043725	0.38	0.705	.9338436	1.106355
_cons	432.7309	31.10434	84.45	0.000	375.587	498.5689

Note: strata with single sampling unit centered at overall mean.

```

577 .
578 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

579 .
580 . svy: logistic cd_cases_new r2s
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	34	Number of obs	=	1059661
Number of PSUs	=	310	Population size	=	4986623.8
			Design df	=	276
			F(1, 276)	=	0.02
			Prob > F	=	0.8985

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	1.007054	.055459	0.13	0.899	.9035875	1.122368
_cons	637.1666	60.93132	67.52	0.000	527.8315	769.1493

Note: strata with single sampling unit centered at overall mean.

```

581 . clear

582 . use "U:\RKunnavakkam\Adam_Stein\2007\UC_CD_2007_req.dta", clear

583 . //*****
      unrecognized command: / invalid command name
      r(199);

```

```

584 .
585 . // PART1. UC or CD cases
      unrecognized command: / invalid command name
      r(199);

586 .
587 . //*****
      unrecognized command: / invalid command name
      r(199);

588 .
589 .
590 .
591 . svyset hospid [pweight=discwt], strata (nis_stratum) singleunit(centered)

      pweight: discwt
      VCE: linearized
      Single unit: centered
      Strata 1: nis_stratum
      SU 1: hospid
      FPC 1: <zero>

592 .
593 . svy: logistic uc_cd_new region season_new
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1933430
Number of PSUs	=	580	Population size	=	9684125.2
			Design df	=	522
			F(2, 521)	=	4.97
			Prob > F	=	0.0073

uc_cd_new	Linearized				
	Odds Ratio	Std. Err.	t	P> t	[95% Conf. Interval]
region	1.326665	.1188729	3.15	0.002	1.112535 1.582007
season_new	1.013913	.0297604	0.47	0.638	.9571023 1.074097
_cons	208.7115	26.99503	41.29	0.000	161.8807 269.0902

Note: strata with single sampling unit centered at overall mean.

```

594 .
595 . svy: logistic uc_cd_new i.region
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	4615779
Number of PSUs	=	633	Population size	=	23033762
			Design df	=	575

F(1, 575) = 7.48
 Prob > F = 0.0064

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.203646	.0815599	2.74	0.006	1.053657	1.374987
_cons	277.0198	11.57988	134.54	0.000	255.1844	300.7236

Note: strata with single sampling unit centered at overall mean.

596 .

597 . margins region

Adjusted predictions Number of obs = 4615779
 Model VCE : Linearized

Expression : Pr(uc_cd_new), predict()

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9964031	.0001498	6650.93	0.000	.9961095	.9966968
2	.9970099	.0001594	6253.14	0.000	.9966974	.9973224

598 .

599 . margins region, post

Adjusted predictions Number of obs = 4615779
 Model VCE : Linearized

Expression : Pr(uc_cd_new), predict()

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9964031	.0001498	6650.93	0.000	.9961095	.9966968
2	.9970099	.0001594	6253.14	0.000	.9966974	.9973224

600 .

601 . // OVERALL INCIDENCE RATE UC or CD cases : North REGION

unrecognized command: / invalid command name

r(199);

602 .

603 . lincom 1-1.region

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0035969	.0001498	24.01	0.000	.0033032	.0038905

```
604 .
```

```
605 . // OVERALL INCIDENCE RATE UC or CD cases : South REGION
```

```
unrecognized command: / invalid command name
```

```
r(199);
```

```
606 .
```

```
607 . lincom 1-2.region
```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0029901	.0001594	18.75	0.000	.0026776	.0033026

```
608 .
```

```
609 . // This gives results for within region comparing season1 and season 2
```

```
unrecognized command: / invalid command name
```

```
r(199);
```

```
610 .
```

```
611 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
```

```
unrecognized command: / invalid command name
```

```
r(199);
```

```
612 .
```

```
613 . svy: logistic uc_cd_new rls
```

```
(running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	947122
Number of PSUs	=	273	Population size	=	4953418.2
			Design df	=	237
			F(1, 237)	=	0.01
			Prob > F	=	0.9414

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.002725	.0371051	0.07	0.941	.9322277	1.078553
_cons	281.5517	18.24763	87.03	0.000	247.8037	319.8957

Note: strata with single sampling unit centered at overall mean.

```

614 .
615 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month
unrecognized command: / invalid command name
r(199);

```

```

616 .
617 . svy: logistic uc_cd_new r2s
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	33	Number of obs	=	986308
Number of PSUs	=	307	Population size	=	4730707
			Design df	=	274
			F(1, 274)	=	0.37
			Prob > F	=	0.5439

uc_cd_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	1.029635	.049478	0.61	0.544	.9366948	1.131796
_cons	358.985	28.40643	74.35	0.000	307.2006	419.4987

Note: strata with single sampling unit centered at overall mean.

```

618 .
619 .
620 .
621 . //*****
unrecognized command: / invalid command name
r(199);

```

```

622 .
623 . // PART2. UC cases only
unrecognized command: / invalid command name
r(199);

```

```

624 .
625 . //*****
unrecognized command: / invalid command name
r(199);

```

```

626 .
627 . svy: logistic uc_cases_new i.region season_new
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1933430
Number of PSUs	=	580	Population size	=	9684125.2
			Design df	=	522
			F(2, 521)	=	4.11

Prob > F = 0.0170

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.311948	.1242507	2.87	0.004	1.089217	1.580224
season_new	1.009016	.0426247	0.21	0.832	.9286594	1.096326
_cons	677.9933	49.49996	89.29	0.000	587.4016	782.5564

Note: strata with single sampling unit centered at overall mean.

628 .

629 . margins region

Predictive margins Number of obs = 1933430
Model VCE : Linearized

Expression : Pr(uc_cases_new), predict()

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9985469	.0000613	1.6e+04	0.000	.9984268	.9986671
2	.9988921	.0000937	1.1e+04	0.000	.9987084	.9990757

630 .

631 . margins region, post

Predictive margins Number of obs = 1933430
Model VCE : Linearized

Expression : Pr(uc_cases_new), predict()

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9985469	.0000613	1.6e+04	0.000	.9984268	.9986671
2	.9988921	.0000937	1.1e+04	0.000	.9987084	.9990757

632 .

633 . // OVERALL INCIDENCE RATE UC only: North REGION

unrecognized command: / invalid command name

r(199);

634 .

635 . lincom 1-1.region


```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0014531	.0000613	23.71	0.000	.0013329	.0015732

```
636 .
637 . // OVERALL INCIDENCE RATE UC only : South REGION
      unrecognized command: / invalid command name
      r(199);
```

```
638 .
639 . lincom 1-2.region
```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0011079	.0000937	11.82	0.000	.0009243	.0012916

```
640 .
641 .
642 .
643 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);
```

```
644 .
645 . svy: logistic uc_cases_new rls
      (running logistic on estimation sample)
```

Survey: Logistic regression

Number of strata	=	36	Number of obs	=	947122
Number of PSUs	=	273	Population size	=	4953418.2
			Design df	=	237
			F(1, 237)	=	0.00
			Prob > F	=	0.9601

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	.9971511	.056741	-0.05	0.960	.8914076	1.115438
_cons	690.1775	63.55902	70.98	0.000	575.666	827.4676

Note: strata with single sampling unit centered at overall mean.

```
646 .
647 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
```

unrecognized command: / invalid command name

r(199).;

648 .

649 . svy: logistic uc_cases_new r2s
(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	33	Number of obs	=	986308
Number of PSUs	=	307	Population size	=	4730707
			Design df	=	274
			F(1, 274)	=	0.16
			Prob > F	=	0.6904

uc_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	1.025532	.0648384	0.40	0.690	.9055111	1.16146
_cons	868.1414	102.1569	57.50	0.000	688.6247	1094.456

Note: strata with single sampling unit centered at overall mean.

650 .

651 .

652 .

653 . //*****

unrecognized command: / invalid command name

r(199).;

654 .

655 . // PART3. CD Cases only
unrecognized command: / invalid command name

r(199).;

656 .

657 . *****

658 .

659 . svy: logistic cd_cases_new i.region season_new
(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	1933430
Number of PSUs	=	580	Population size	=	9684125.2
			Design df	=	522
			F(2, 521)	=	5.11
			Prob > F	=	0.0063

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				

2.region	1.358395	.1300134	3.20	0.001	1.125557	1.639399
season_new	1.026024	.0381333	0.69	0.490	.9537795	1.10374
_cons	424.771	30.84514	83.34	0.000	368.2989	489.9021

Note: strata with single sampling unit centered at overall mean.

660 .

661 . svy: logistic cd_cases_new i.region
(running logistic on estimation sample)

Survey: Logistic regression

Number of strata	=	58	Number of obs	=	4615779
Number of PSUs	=	633	Population size	=	23033762
			Design df	=	575
			F(1, 575)	=	6.67
			Prob > F	=	0.0101

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
2.region	1.205752	.0873841	2.58	0.010	1.045777	1.390199
_cons	429.3559	20.80226	125.12	0.000	390.382	472.2208

Note: strata with single sampling unit centered at overall mean.

662 .

663 . margins region

Adjusted predictions	Number of obs	=	4615779
Model VCE : Linearized			
Expression : Pr(cd_cases_new), predict()			

	Delta-method		z	P> z	[95% Conf. Interval]	
	Margin	Std. Err.				
region						
1	.9976763	.0001123	8882.49	0.000	.9974562	.9978965
2	.9980721	.0001039	9607.73	0.000	.9978685	.9982757

664 .

665 . margins region, post

Adjusted predictions	Number of obs	=	4615779
Model VCE : Linearized			
Expression : Pr(cd_cases_new), predict()			

	Delta-method					
	Margin	Std. Err.	z	P> z	[95% Conf. Interval]	
region						
1	.9976763	.0001123	8882.49	0.000	.9974562	.9978965
2	.9980721	.0001039	9607.73	0.000	.9978685	.9982757

```

666 .
667 . // OVERALL INCIDENCE RATE CD only: North REGION
      unrecognized command: / invalid command name
      r(199);

```

```

668 .
669 . lincom 1-1.region

```

```
( 1) - 1bn.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0023237	.0001123	20.69	0.000	.0021035	.0025438

```

670 .
671 . // OVERALL INCIDENCE RATE CD only: South REGION
      unrecognized command: / invalid command name
      r(199);

```

```

672 .
673 . lincom 1-2.region

```

```
( 1) - 2.region = -1
```

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0019279	.0001039	18.56	0.000	.0017243	.0021315

```

674 .
675 .
676 .
677 . //Comparison within North Region between Winter and Summer Season (Reference: WInter month)
      unrecognized command: / invalid command name
      r(199);

```

```

678 .
679 . svy: logistic cd_cases_new rls
      (running logistic on estimation sample)

```

Survey: Logistic regression

Number of strata = 36 Number of obs = 947122

```

Number of PSUs      =      273
Population size     = 4953418.2
Design df          =      237
F(   1,   237)      =      0.13
Prob > F           =      0.7160

```

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
rls	1.016294	.0450989	0.36	0.716	.9312212	1.109139
_cons	430.893	34.25585	76.30	0.000	368.4273	503.9495

Note: strata with single sampling unit centered at overall mean.

```

680 .
681 . //Comparison within South Region between Winter and Summer Season (Reference: WInter month)
unrecognized command: / invalid command name
r(199);

```

```

682 .
683 . svy: logistic cd_cases_new r2s
(running logistic on estimation sample)

```

Survey: Logistic regression

```

Number of strata    =      33
Number of PSUs      =      307
Population size     = 986308
Design df          =      274
F(   1,   274)      =      0.37
Prob > F           =      0.5432

```

cd_cases_new	Linearized		t	P> t	[95% Conf. Interval]	
	Odds Ratio	Std. Err.				
r2s	1.040006	.0670152	0.61	0.543	.9161015	1.18067
_cons	565.4657	52.89364	67.75	0.000	470.3614	679.7996

Note: strata with single sampling unit centered at overall mean.

```

684 . log close
      name: <unnamed>
      log: U:\RKunnavakkam\Adam_Stein\output.smcl
      log type: smcl
      closed on: 20 Feb 2013, 11:45:25

```