

(R)

Statistics/Data Analysis

7	522	.2916174	.2782884	.3061603	.0082511	.2908255
8	522	.3239885	.3061906	.3421507	.0102721	.3235635
9	522	.3683848	.3422715	.3993648	.0158872	.3686695
10	521	.462891	.3996781	1	.0615626	.446676
Total	5218	.2658209	0	1	.0981052	.2531885

```

1 . gen highriskinstitution25 =.
  (5,240 missing values generated)

2 .
3 . replace highriskinstitution25 =1 if rasiomodal>0.3236399
  (1,326 real changes made)

4 .
5 . replace highriskinstitution25 =0 if rasiomodal<0.3236399
  (3,914 real changes made)

6 .
7 . summarize highriskinstitution25, detail

```

highriskinstitution25					
Percentiles	Smallest				
1%	0	0			
5%	0	0			
10%	0	0	Obs	5,240	
25%	0	0	Sum of Wgt.	5,240	
50%	0		Mean	.2530534	
			Std. Dev.	.4348028	
75%	1	Largest			
90%	1	1	Variance	.1890535	
95%	1	1	Skewness	1.13601	
99%	1	1	Kurtosis	2.290518	

```

8 .
9 . summarize highriskinstitution25

```

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~25	5,240	.2530534	.4348028	0	1

```

10 . gen highriskinstitution50 =.
    (5,240 missing values generated)

11 .
12 . replace highriskinstitution50 =1 if rasiomodal>0.2532205
    (2,630 real changes made)

13 .
14 . replace highriskinstitution50 =0 if rasiomodal<0.2532205
    (2,610 real changes made)

```

15 .
16 . summarize highriskinstitution50, detail

highriskinstitution50					
Percentiles		Smallest			
1%	0	0			
5%	0	0			
10%	0	0	Obs		5,240
25%	0	0	Sum of Wgt.		5,240
50%	1		Mean		.5019084
		Largest	Std. Dev.		.5000441
75%	1	1			
90%	1	1	Variance		.2500441
95%	1	1	Skewness		-.0076336
99%	1	1	Kurtosis		1.000058

17 .
18 . summarize highriskinstitution50

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~50	5,240	.5019084	.5000441	0	1

19 . gen highriskinstitution75 =.
(5,240 missing values generated)

20 .
21 . replace highriskinstitution75 =1 if rasiomodal>0.195118
(3,934 real changes made)

22 .
23 . replace highriskinstitution75 =0 if rasiomodal<0.195118
(1,306 real changes made)

24 .
25 . summarize highriskinstitution75, detail

highriskinstitution75					
Percentiles		Smallest			
1%	0	0			
5%	0	0			
10%	0	0	Obs		5,240
25%	1	0	Sum of Wgt.		5,240
50%	1		Mean		.7507634
		Largest	Std. Dev.		.4326124
75%	1	1			
90%	1	1	Variance		.1871535
95%	1	1	Skewness		-1.159409
99%	1	1	Kurtosis		2.344229

```
26 .
27 . summarize highriskinstitution75
```

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~75	5,240	.7507634	.4326124	0	1

```
28 . gen highriskinstitution10 =.
    (5,240 missing values generated)
```

```
29 .
30 . replace highriskinstitution10 =1 if rasiomodal >0.3996781
    (542 real changes made)
```

```
31 .
32 . replace highriskinstitution10 =0 if rasiomodal <0.3996781
    (4,698 real changes made)
```

```
33 .
34 . summarize highriskinstitution10, detail
```

highriskinstitution10					
Percentiles		Smallest			
1%	0	0			
5%	0	0			
10%	0	0	Obs	5,240	
25%	0	0	Sum of Wgt.	5,240	
50%	0		Mean	.1034351	
		Largest	Std. Dev.	.3045554	
75%	0	1			
90%	1	1	Variance	.092754	
95%	1	1	Skewness	2.60447	
99%	1	1	Kurtosis	7.783265	

```
35 .
36 . summarize highriskinstitution10
```

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~10	5,240	.1034351	.3045554	0	1

```
37 . gen highriskinstitution20 =.
    (5,240 missing values generated)
```

```
38 .
39 . replace highriskinstitution20 =1 if rasiomodal >0.3422715
    (1,065 real changes made)
```

```
40 .
41 . replace highriskinstitution20 =0 if rasiomodal <0.3422715
    (4,175 real changes made)
```

```
42 .
43 . summarize highriskinstitution20, detail
```

highriskinstitution20					
Percentiles		Smallest			
1%	0		0		
5%	0		0		
10%	0		0	Obs	5,240
25%	0		0	Sum of Wgt.	5,240
50%	0			Mean	.2032443
		Largest		Std. Dev.	.4024512
75%	0	1			
90%	1	1		Variance	.1619669
95%	1	1		Skewness	1.474882
99%	1	1		Kurtosis	3.175278

```
44 .
45 . summarize highriskinstitution20
```

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~20	5,240	.2032443	.4024512	0	1

```
46 . gen highriskinstitution30 =.
    (5,240 missing values generated)

47 .
48 . replace highriskinstitution30 =1 if rasiomodal >0.3061906
    (1,586 real changes made)

49 .
50 . replace highriskinstitution30 =0 if rasiomodal <0.3061906
    (3,654 real changes made)

51 .
52 . summarize highriskinstitution30, detail
```

highriskinstitution30					
Percentiles		Smallest			
1%	0		0		
5%	0		0		
10%	0		0	Obs	5,240
25%	0		0	Sum of Wgt.	5,240
50%	0			Mean	.3026718
		Largest		Std. Dev.	.4594582
75%	1	1			
90%	1	1		Variance	.2111019
95%	1	1		Skewness	.8590425
99%	1	1		Kurtosis	1.737954

```
53 .
54 . summarize highriskinstitution30
```

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~30	5,240	.3026718	.4594582	0	1

```
55 . gen highriskinstitution40 =.
    (5,240 missing values generated)

56 .
57 . replace highriskinstitution40 =1 if rasiomodal >0.2782884
    (2,108 real changes made)
```

```
58 .
59 . replace highriskinstitution40 =0 if rasiomodal <0.2782884
    (3,132 real changes made)
```

```
60 .
61 . summarize highriskinstitution40, detail
```

highriskinstitution40					
Percentiles		Smallest			
1%	0	0			
5%	0	0			
10%	0	0	Obs	5,240	
25%	0	0	Sum of Wgt.	5,240	
50%	0		Mean	.4022901	
		Largest	Std. Dev.	.4904066	
75%	1	1			
90%	1	1	Variance	.2404987	
95%	1	1	Skewness	.3985234	
99%	1	1	Kurtosis	1.158821	

```
62 .
63 . summarize highriskinstitution40
```

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~40	5,240	.4022901	.4904066	0	1

```
64 . gen highriskinstitution60 =.
    (5,240 missing values generated)

65 .
66 . replace highriskinstitution60 =1 if rasiomodal >0.2300607
    (3,151 real changes made)

67 .
68 . replace highriskinstitution60 =0 if rasiomodal <0.2300607
    (2,089 real changes made)
```

```
69 .
70 . summarize highriskinstitution60, detail
```

highriskinstitution60					
Percentiles		Smallest			
1%	0		0		
5%	0		0		
10%	0		0	Obs	5,240
25%	0		0	Sum of Wgt.	5,240
50%	1			Mean	.6013359
		Largest		Std. Dev.	.4896701
75%	1	1			
90%	1	1		Variance	.2397768
95%	1	1		Skewness	-.413934
99%	1	1		Kurtosis	1.171341

```
71 .
72 . summarize highriskinstitution60
```

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~60	5,240	.6013359	.4896701	0	1

```
73 . gen highriskinstitution70 =.
    (5,240 missing values generated)

74 .
75 . replace highriskinstitution70 =1 if rasiomodal >0.2063678
    (3,673 real changes made)

76 .
77 . replace highriskinstitution70 =0 if rasiomodal <0.2063678
    (1,567 real changes made)

78 .
79 . summarize highriskinstitution70, detail
```

highriskinstitution70					
Percentiles		Smallest			
1%	0		0		
5%	0		0		
10%	0		0	Obs	5,240
25%	0		0	Sum of Wgt.	5,240
50%	1			Mean	.7009542
		Largest		Std. Dev.	.4578836
75%	1	1			
90%	1	1		Variance	.2096574
95%	1	1		Skewness	-.877836
99%	1	1		Kurtosis	1.770596

```
80 .
81 . summarize highriskinstitution70
```

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~70	5,240	.7009542	.4578836	0	1

```
82 . gen highriskinstitution80 =.
    (5,240 missing values generated)
```

```
83 .
84 . replace highriskinstitution80 =1 if rasiomodal >0.1835068
    (4,195 real changes made)
```

```
85 .
86 . replace highriskinstitution80 =0 if rasiomodal <0.1835068
    (1,045 real changes made)
```

```
87 .
88 . summarize highriskinstitution80, detail
```

highriskinstitution80					
Percentiles		Smallest			
1%	0	0			
5%	0	0			
10%	0	0	Obs	5,240	
25%	1	0	Sum of Wgt.	5,240	
50%	1		Mean	.8005725	
		Largest	Std. Dev.	.3996081	
75%	1	1			
90%	1	1	Variance	.1596866	
95%	1	1	Skewness	-1.50448	
99%	1	1	Kurtosis	3.26346	

```
89 .
90 . summarize highriskinstitution80
```

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~80	5,240	.8005725	.3996081	0	1

```
91 . gen highriskinstitution90 =.
    (5,240 missing values generated)
```

```
92 .
93 . replace highriskinstitution90 =1 if rasiomodal >0.1524969
    (4,718 real changes made)
```

```
94 .
95 . replace highriskinstitution90 =0 if rasiomodal <0.1524969
    (522 real changes made)
```

96 .
97 . summarize highriskinstitution90, detail

highriskinstitution90					
Percentiles		Smallest			
1%	0	0			
5%	0	0			
10%	1	0	Obs		5,240
25%	1	0	Sum of Wgt.		5,240
50%	1		Mean		.9003817
		Largest	Std. Dev.		.299519
75%	1	1			
90%	1	1	Variance		.0897116
95%	1	1	Skewness		-2.673753
99%	1	1	Kurtosis		8.148954

98 .
99 . summarize highriskinstitution90

Variable	Obs	Mean	Std. Dev.	Min	Max
highriski~90	5,240	.9003817	.299519	0	1

100 . gen polXhighrisk25= Policy * highriskinstitution25
101 .
102 . gen polXhighrisk50= Policy * highriskinstitution50
103 .
104 . gen polXhighrisk75= Policy * highriskinstitution75
105 .
106 .
107 .
108 . gen polXhighrisk10= Policy * highriskinstitution10
109 .
110 . gen polXhighrisk20= Policy * highriskinstitution20
111 .
112 . gen polXhighrisk30= Policy * highriskinstitution30
113 .
114 . gen polXhighrisk40= Policy * highriskinstitution40
115 .
116 . gen polXhighrisk60= Policy * highriskinstitution60
117 .
118 . gen polXhighrisk70= Policy * highriskinstitution70

```

119 .
120 . gen polXhighrisk80= Policy * highriskinstitution80

121 .
122 . gen polXhighrisk90= Policy * highriskinstitution90

123 . generate timerescale = year - 2014 if highriskinstitution20 ==1
    (4,175 missing values generated)

124 .
125 . replace timerescale = year - 2014 if highriskinstitution20 ==0
    (4,175 real changes made)

126 .
127 . gen timerescaleXhighrisk = timerescale* highriskinstitution20

128 .
129 . xtreg rasiokerugian timerescale timerescaleXhighrisk i.year, fe cluster( id ), if timerescale<
    > 0
    note: 2013.year omitted because of collinearity

```

```

Fixed-effects (within) regression              Number of obs   =          2,598
Group variable:   id                          Number of groups =          523

```

```

R-sq:
    within = 0.0521
    between = 0.0340
    overall = 0.0313

Obs per group:
    min = 4
    avg = 5.0
    max = 5

```

```

F(    5,522)          =          11.28
Prob > F              =          0.0000
corr(u_i, Xb) = -0.0302

```

(Std. Err. adjusted for 523 clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
timerescale	-.0021941	.000316	-6.94	0.000	-.0028148	-.0015733
timerescaleXhighrisk	.0002694	.0003217	0.84	0.403	-.0003625	.0009014
year						
2010	-.0046121	.0009313	-4.95	0.000	-.0064418	-.0027825
2011	-.0027537	.0006612	-4.16	0.000	-.0040527	-.0014548
2012	-.0009069	.0005479	-1.66	0.098	-.0019831	.0001694
2013	0	(omitted)				
_cons	.00063	.000637	0.99	0.323	-.0006213	.0018814
sigma_u	.00842468					
sigma_e	.01406675					
rho	.26399681	(fraction of variance due to u_i)				

Model	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
Policy	-.0021038	.0003765	-5.59	0.000	[-.0028419, -.0013658]
highriskinstitution20	.0041701	.0005794	7.20	0.000	[.0030342, .0053059]
polXhighrisk20	-.0027051	.0008439	-3.21	0.001	[-.0043595, -.0010506]
_cons	.0044299	.0002695	16.44	0.000	[.0039016, .0049582]

Random-effects GLS regression	Number of obs	=	5,218
Group variable: id	Number of groups	=	524
R-sq:	Obs per group:		
within = 0.0159		min =	5
between = 0.0762		avg =	10.0
overall = 0.0227		max =	10
	Wald chi2(3)	=	103.45
corr(u i, X) = 0 (assumed)	Prob > chi2	=	0.0000

rasiokerugian	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Policy	-.0021805	.0003607	-6.05	0.000	-.0028874	-.0014736
highriskinstitution20	.0032933	.0006069	5.43	0.000	.0021038	.0044828
polXhighrisk20	-.002524	.0008227	-3.07	0.002	-.0041365	-.0009115
_cons	.0046343	.0003072	15.08	0.000	.0040321	.0052365
sigma_u	.00363042					
sigma_e	.01155872					
rho	.0897913	(fraction of variance due to u_i)				

Fixed-effects (within) regression	Number of obs	=	5,218
Group variable: id	Number of groups	=	524
R-sq:	Obs per group:		
within = 0.0175		min =	5
between = 0.0313		avg =	10.0
overall = 0.0170		max =	10
	F(3,4691)	=	27.82
corr(u i, Xb) = 0.0239	Prob > F	=	0.0000

rasiokerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0023142	.000362	-6.39	0.000	-.0030239	-.0016046
highriskinstitution20	.0015452	.0006981	2.21	0.027	.0001765	.0029139
polXhighrisk20	-.0022804	.0008412	-2.71	0.007	-.0039295	-.0006313
_cons	.0050211	.0002729	18.40	0.000	.0044861	.0055561
sigma_u	.00537233					
sigma_e	.01155872					
rho	.17764911	(fraction of variance due to u_i)				

F test that all u_i=0: F(**523, 4691**) = **2.06** Prob > F = **0.0000**

```

135 .
136 . quietly xtreg rasiokerugian Policy highriskinstitution20 polXhighrisk20 , fe
137 .
138 . estimates store fe
139 .
140 . quietly xtreg rasiokerugian Policy highriskinstitution20 polXhighrisk20 , re
141 .
142 . estimates store re
143 .
144 . hausman fe re

```

	Coefficients		(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
	(b) fe	(B) re		
Policy	-.0023142	-.0021805	-.0001337	.0000305
highriski~20	.0015452	.0032933	-.0017481	.0003451
polXhighr~20	-.0022804	-.002524	.0002436	.0001752

b = consistent under Ho and Ha; obtained from xtreg
B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

chi2(**3**) = (b-B)'[(V_b-V_B)^(-1)](b-B)
= **25.68**
Prob>chi2 = **0.0000**
(V_b-V_B is not positive definite)

```

145 .
146 . vif, uncentered

```

Variable	VIF	1/VIF
polXhighr~20	2.08	0.480597
highriski~20	1.86	0.538830
Policy	1.22	0.816412
Mean VIF	1.72	

```

147 .
148 . quietly regress rasiokerugian Policy highriskinstitution20 polXhighrisk20

149 .
150 . szroeter rasiokerugian Policy highriskinstitution20 polXhighrisk20

```

Szroeter's test for homoskedasticity

Ho: variance constant
Ha: variance monotonic in variable

Variable	chi2	df	p
rasiokerug~n	6328.22	1	0.0000 #
Policy	854.43	1	0.0000 #
highriski~20	644.38	1	0.0000 #
polXhighr~20	12.31	1	0.0004 #

unadjusted p-values

```

151 . xtreg rasiokerugian Policy highriskinstitution20 polXhighrisk20, fe robust

```

Fixed-effects (within) regression Number of obs = **5,218**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0175** avg = **10.0**
between = **0.0313** max = **10**
overall = **0.0170**

corr(u_i, Xb) = **0.0239** F(**3,523**) = **17.42**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0023142	.0003465	-6.68	0.000	-.0029948	-.0016336
highriskinstitution20	.0015452	.0012107	1.28	0.202	-.0008333	.0039236
polXhighrisk20	-.0022804	.0011616	-1.96	0.050	-.0045624	1.65e-06
_cons	.0050211	.0002397	20.94	0.000	.0045501	.0054921
sigma_u	.00537233					
sigma_e	.01155872					
rho	.17764911	(fraction of variance due to u_i)				

```

152 . xtreg rasiokerugian Policy highriskinstitution20 polXhighrisk20 Jumlahauditor , fe robust

```

Fixed-effects (within) regression Number of obs = **5,218**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0181** avg = **10.0**
between = **0.0392** max = **10**
overall = **0.0208**

corr(u_i, Xb) = **0.0370** F(**4,523**) = **16.76**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0020008	.0004191	-4.77	0.000	-.0028241	-.0011775
highriskinstitution20	.0015417	.0012098	1.27	0.203	-.0008349	.0039183
polXhighrisk20	-.0023332	.0011514	-2.03	0.043	-.0045952	-.0000712
Jumlahauditor	-.0000634	.0000364	-1.74	0.082	-.000135	8.19e-06
_cons	.0054847	.0003696	14.84	0.000	.0047586	.0062108
sigma_u	.0053264					
sigma_e	.0115563					
rho	.17521457	(fraction of variance due to u_i)				

```
153 . xtreg rasiokerugian Policy highriskinstitution20 polXhighrisk20 Jumlahauditor lnBelanjapengawasa
> n , fe robust
```

Fixed-effects (within) regression Number of obs = **5,208**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0223** avg = **9.9**
between = **0.0008** max = **10**
overall = **0.0123**

corr(u_i, Xb) = **-0.1490** F(**5, 523**) = **12.91**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0009916	.0003791	-2.62	0.009	-.0017363	-.000247
highriskinstitution20	.0014217	.0012	1.18	0.237	-.0009357	.0037792
polXhighrisk20	-.0022778	.0011509	-1.98	0.048	-.0045387	-.0000169
Jumlahauditor	-.0000492	.0000385	-1.28	0.202	-.0001249	.0000265
lnBelanjapengawasan	-.0024891	.0007098	-3.51	0.000	-.0038836	-.0010947
_cons	.0607947	.015722	3.87	0.000	.0299086	.0916808
sigma_u	.00555283					
sigma_e	.01153835					
rho	.18804914	(fraction of variance due to u_i)				

```
154 . gen polXrasiomodal= Policy * rasiomodal
(22 missing values generated)
```

```
155 .
156 . xtreg rasiokerugian Policy rasiomodal polXrasiomodal Jumlahauditor lnBelanjapengawasan , fe robu
> st
```

Fixed-effects (within) regression Number of obs = **5,208**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0222** avg = **9.9**
between = **0.0019** max = **10**
overall = **0.0131**

corr(u_i, Xb) = **-0.1428** F(**5, 523**) = **13.11**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	.0008142	.0009341	0.87	0.384	-.0010208	.0026491
rasiomodal	.0058099	.0040943	1.42	0.156	-.0022335	.0138533
polXrasiomodal	-.0085445	.0041656	-2.05	0.041	-.0167279	-.0003611
Jumlahauditor	-.0000491	.0000381	-1.29	0.199	-.000124	.0000259
lnBelanjapengawasan	-.00252	.0007189	-3.51	0.000	-.0039323	-.0011078
_cons	.0602703	.0157882	3.82	0.000	.0292543	.0912864
sigma_u	.0055354					
sigma_e	.01153872					
rho	.18708114	(fraction of variance due to u_i)				

```
157 . xtreg rasiokerugian Policy highriskinstitution10 polXhighrisk10 Jumlahauditor lnBelanjapengawasa
> n , fe robust
```

Fixed-effects (within) regression Number of obs = **5,208**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0221** avg = **9.9**
between = **0.0012** max = **10**
overall = **0.0082**

corr(u_i, Xb) = **-0.1963** F(**5, 523**) = **14.97**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0012604	.0003812	-3.31	0.001	-.0020093	-.0005114
highriskinstitution10	-.0000452	.0015915	-0.03	0.977	-.0031718	.0030814
polXhighrisk10	-.0026004	.0012648	-2.06	0.040	-.0050852	-.0001156
Jumlahauditor	-.0000517	.0000395	-1.31	0.191	-.0001293	.0000259
lnBelanjapengawasan	-.0025033	.0007132	-3.51	0.000	-.0039043	-.0011023
_cons	.0614434	.0158101	3.89	0.000	.0303843	.0925025
sigma_u	.0056575					
sigma_e	.01153926					
rho	.19379356	(fraction of variance due to u_i)				

```
158 . xtreg rasiokerugian Policy highriskinstitution20 polXhighrisk20 Jumlahauditor lnBelanjapengawasa
> n , fe robust
```

Fixed-effects (within) regression Number of obs = **5,208**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0223** avg = **9.9**
between = **0.0008** max = **10**
overall = **0.0123**

corr(u_i, Xb) = **-0.1490** F(**5, 523**) = **12.91**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0009916	.0003791	-2.62	0.009	-.0017363	-.000247
highriskinstitution20	.0014217	.0012	1.18	0.237	-.0009357	.0037792
polXhighrisk20	-.0022778	.0011509	-1.98	0.048	-.0045387	-.0000169
Jumlahauditor	-.0000492	.0000385	-1.28	0.202	-.0001249	.0000265
lnBelanjapengawasan	-.0024891	.0007098	-3.51	0.000	-.0038836	-.0010947
_cons	.0607947	.015722	3.87	0.000	.0299086	.0916808
sigma_u	.00555283					
sigma_e	.01153835					
rho	.18804914	(fraction of variance due to u_i)				

```
159 . xtreg rasiokerugian Policy highriskinstitution25 polXhighrisk25 Jumlahauditor lnBelanjapengawasa
> n , fe robust
```

Fixed-effects (within) regression Number of obs = **5,208**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0219** avg = **9.9**
between = **0.0024** max = **10**
overall = **0.0133**

corr(u_i, Xb) = **-0.1375** F(**5,523**) = **13.29**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0010485	.0003741	-2.80	0.005	-.0017835	-.0003136
highriskinstitution25	.0014638	.0009721	1.51	0.133	-.0004459	.0033735
polXhighrisk25	-.0015999	.0011333	-1.41	0.159	-.0038263	.0006264
Jumlahauditor	-.0000479	.000038	-1.26	0.208	-.0001227	.0000268
lnBelanjapengawasan	-.0024787	.0007114	-3.48	0.001	-.0038763	-.0010812
_cons	.0604766	.0157594	3.84	0.000	.029517	.0914362
sigma_u	.00552345					
sigma_e	.01154071					
rho	.18637269	(fraction of variance due to u_i)				

```
160 . xtreg rasiokerugian Policy highriskinstitution30 polXhighrisk30 Jumlahauditor lnBelanjapengawasa
> n , fe robust
```

Fixed-effects (within) regression Number of obs = **5,208**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0217** avg = **9.9**
between = **0.0018** max = **10**
overall = **0.0128**

corr(u_i, Xb) = **-0.1408** F(**5,523**) = **14.78**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0010518	.0003632	-2.90	0.004	-.0017653	-.0003384
highriskinstitution30	.0012636	.0008681	1.46	0.146	-.0004419	.002969
polXhighrisk30	-.0013799	.0010548	-1.31	0.191	-.0034521	.0006923
Jumlahauditor	-.0000474	.0000382	-1.24	0.214	-.0001224	.0000276
lnBelanjapengawasan	-.0024829	.0007142	-3.48	0.001	-.0038859	-.0010798
_cons	.0605705	.0158316	3.83	0.000	.0294692	.0916718
sigma_u	.00553117					
sigma_e	.011542					
rho	.18676229	(fraction of variance due to u_i)				

```
161 . xtreg rasiokerugian Policy highriskinstitution40 polXhighrisk40 Jumlahauditor lnBelanjapengawasa
> n , fe robust
```

Fixed-effects (within) regression Number of obs = **5,208**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0226** avg = **9.9**
between = **0.0054** max = **10**
overall = **0.0154**

corr(u_i, Xb) = **-0.1234** F(**5,523**) = **14.84**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0009467	.0003502	-2.70	0.007	-.0016348	-.0002587
highriskinstitution40	.0017944	.0008176	2.19	0.029	.0001883	.0034005
polXhighrisk40	-.0014453	.0009372	-1.54	0.124	-.0032865	.0003959
Jumlahauditor	-.0000444	.000038	-1.17	0.243	-.0001191	.0000302
lnBelanjapengawasan	-.0024857	.0007171	-3.47	0.001	-.0038944	-.0010771
_cons	.0603124	.0159114	3.79	0.000	.0290543	.0915706
sigma_u	.00549101					
sigma_e	.01153649					
rho	.1847025	(fraction of variance due to u_i)				

```
162 . xtreg rasiokerugian Policy highriskinstitution50 polXhighrisk50 Jumlahauditor lnBelanjapengawasa
> n , fe robust
```

Fixed-effects (within) regression Number of obs = **5,208**
Group variable: **id** Number of groups = **524**

R-sq: Obs per group: min = **5**
within = **0.0225** avg = **9.9**
between = **0.0026** max = **10**
overall = **0.0137**

corr(u_i, Xb) = **-0.1400** F(**5,523**) = **13.18**
Prob > F = **0.0000**

Model	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0006606	.0003794	-1.74	0.082	-.0014059	.0000847
highriskinstitution50	.0015563	.000756	2.06	0.040	.0000711	.0030416
polXhighrisk50	-.0017002	.0007768	-2.19	0.029	-.0032262	-.0001743
Jumlahauditor	-.0000476	.0000381	-1.25	0.213	-.0001225	.0000273
lnBelanjapengawasan	-.0025183	.0007188	-3.50	0.000	-.0039304	-.0011061
_cons	.0610279	.0159566	3.82	0.000	.029681	.0923747
sigma_u	.00552681					
sigma_e	.01153723					
rho	.1866482	(fraction of variance due to u_i)				

```
163 . regress rasiokerugian Policy rasiomodal polXrasiomodal
```

Source	SS	df	MS	Number of obs	=	5,218
				F(3, 5214)	=	46.75
Model	.020671507	3	.006890502	Prob > F	=	0.0000
Residual	.768486217	5,214	.000147389	R-squared	=	0.0262
				Adj R-squared	=	0.0256
Total	.789157723	5,217	.000151267	Root MSE	=	.01214

rasiokerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	- .0011577	.0010211	-1.13	0.257	-.0031595	.0008442
rasiomodal	.0166378	.0021189	7.85	0.000	.0124838	.0207918
polXrasiomodal	-.006395	.0036083	-1.77	0.076	-.0134687	.0006787
_cons	.0009843	.0006028	1.63	0.103	-.0001974	.0021659

164 .

```
165 . xtreg rasiokerugian Policy rasiomodal polXrasiomodal , re
```

```
Random-effects GLS regression                Number of obs    =      5,218
Group variable:  id                        Number of groups   =       524
```

R-sq:		Obs per group:	
within	= 0.0158	min	= 5
between	= 0.0851	avg	= 10.0
overall	= 0.0259	max	= 10

corr(u i, X)	=	0 (assumed)	Wald chi2(3)	=	112.95
			Prob > chi2	=	0.0000

rasiokerugian	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Policy	-.0011263	.0009948	-1.13	0.258	-.003076	.0008234
rasiomodal	.0138955	.0022762	6.10	0.000	.0094343	.0183567
polXrasiomodal	-.0064678	.0035224	-1.84	0.066	-.0133717	.000436
_cons	.0017138	.0006566	2.61	0.009	.0004269	.0030006
sigma_u	.00360766					
sigma_e	.01155943					
rho	.08875868	(fraction of variance due to u_i)				

```
166 .
167 . xtreg rasiokerugian Policy rasiomodal polXrasiomodal , fe
```

```
Fixed-effects (within) regression           Number of obs   =       5,218
Group variable:   id                       Number of groups =       524

R-sq:                                       Obs per group:
    within =   0.0174                      min =           5
    between =   0.0583                     avg =          10.0
    overall  =   0.0188                     max =           10

corr(u_i, Xb) =   0.0386                   F(   3,4691)      =       27.62
                                           Prob > F        =       0.0000
```

rasiokerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0006584	.0010216	-0.64	0.519	-.0026612	.0013444
rasiomodal	.0062439	.0028578	2.18	0.029	.0006413	.0118466
polXrasiomodal	-.0080647	.0036245	-2.23	0.026	-.0151703	-.0009591
_cons	.0037231	.0007815	4.76	0.000	.0021909	.0052553
sigma_u	.00534745					
sigma_e	.01155943					
rho	.17627922	(fraction of variance due to u_i)				

```
F test that all u_i=0: F( 523, 4691) = 2.03                      Prob > F = 0.0000
```

```
168 .
169 . quietly xtreg rasiokerugian Policy rasiomodal polXrasiomodal , fe

170 .
171 . estimates store fe

172 .
173 . quietly xtreg rasiokerugian Policy rasiomodal polXrasiomodal , re

174 .
175 . estimates store re

176 .
177 . hausman fe re
```

	Coefficients		(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
	(b) fe	(B) re		
Policy	-.0006584	-.0011263	.0004679	.0002326
rasiomodal	.0062439	.0138955	-.0076516	.0017281
polXrasiom~1	-.0080647	-.0064678	-.0015969	.0008538

b = consistent under Ho and Ha; obtained from xtreg
B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

```
chi2( 3) = (b-B)'[(V_b-V_B)^(-1)](b-B)
          =       18.56
Prob>chi2 =       0.0003
(V_b-V_B is not positive definite)
```

```
178 .
179 . vif, uncentered
```

Variable	VIF	1/VIF
polXrasiom~1	13.07	0.076514
Policy	12.08	0.082803
rasiomodal	1.99	0.501852
Mean VIF	9.05	

```
180 .
181 . quietly regress rasiokerugian Policy rasiomodal polXrasiomodal
182 .
183 . szroeter rasiokerugian Policy rasiomodal polXrasiomodal
```

Szroeter's test for homoskedasticity

Ho: variance constant
Ha: variance monotonic in variable

Variable	chi2	df	p
rasiokerug~n	6324.64	1	0.0000 #
Policy	857.95	1	0.0000 #
rasiomodal	539.45	1	0.0000 #
polXrasiom~1	478.90	1	0.0000 #

unadjusted p-values

```
184 .
185 . xtreg rasiokerugian Policy rasiomodal polXrasiomodal Jumlahauditor lnBelanjapengawasan , fe robu
> st
```

Fixed-effects (within) regression
Group variable: **id**

Number of obs = **5,208**
Number of groups = **524**

R-sq:

within = **0.0222**
between = **0.0019**
overall = **0.0131**

Obs per group:

min = **5**
avg = **9.9**
max = **10**

corr(u_i, Xb) = **-0.1428**

F(**5, 523**) = **13.11**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	.0008142	.0009341	0.87	0.384	-.0010208	.0026491
rasiomodal	.0058099	.0040943	1.42	0.156	-.0022335	.0138533
polXrasiomodal	-.0085445	.0041656	-2.05	0.041	-.0167279	-.0003611
Jumlahauditor	-.0000491	.0000381	-1.29	0.199	-.000124	.0000259
lnBelanjapengawasan	-.00252	.0007189	-3.51	0.000	-.0039323	-.0011078
_cons	.0602703	.0157882	3.82	0.000	.0292543	.0912864
sigma_u	.0055354					
sigma_e	.01153872					
rho	.18708114	(fraction of variance due to u_i)				

Model	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
Policy	-.0023249	.0003559	-6.53	0.000	-.0030226 -.0016273
highriskinstitution10	.0039644	.0007153	5.54	0.000	.0025621 .0053667
polXhighrisk10	-.0026175	.0011692	-2.24	0.025	-.0049096 -.0003253
_cons	.0048238	.0002561	18.84	0.000	.0043218 .0053259

Random-effects GLS regression	Number of obs	=	5,218
Group variable: id	Number of groups	=	524
R-sq:	Obs per group:		
within = 0.0147		min =	5
between = 0.0644		avg =	10.0
overall = 0.0176		max =	10
	Wald chi2(3)	=	85.82
corr(u i, X) = 0 (assumed)	Prob > chi2	=	0.0000

rasiokerugian	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Policy	-.0024217	.0003402	-7.12	0.000	-.0030885	-.001755
highriskinstitution10	.0026126	.0007433	3.51	0.000	.0011557	.0040695
polXhighrisk10	-.0025646	.0011423	-2.25	0.025	-.0048035	-.0003257
_cons	.0050134	.000294	17.05	0.000	.004437	.0055897
sigma_u	.00363089					
sigma_e	.01156053					
rho	.08978682	(fraction of variance due to u_i)				

Fixed-effects (within) regression	Number of obs	=	5,218
Group variable: id	Number of groups	=	524
R-sq:	Obs per group:		
within = 0.0172		min =	5
between = 0.0556		avg =	10.0
overall = 0.0102		max =	10
	F(3,4691)	=	27.32
corr(u i, Xb) = -0.0409	Prob > F	=	0.0000

rasiokerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0025925	.0003404	-7.62	0.000	-.0032599	-.0019251
highriskinstitution10	.0001354	.0008375	0.16	0.872	-.0015065	.0017774
polXhighrisk10	-.0026341	.0011703	-2.25	0.024	-.0049285	-.0003397
_cons	.0053404	.0002513	21.25	0.000	.0048478	.005833
sigma_u	.00546987					
sigma_e	.01156053					
rho	.18292078	(fraction of variance due to u_i)				

F test that all u_i=0: F(**523, 4691**) = **2.11** Prob > F = **0.0000**

```

191 .
192 . quietly xtreg rasiokerugian Policy highriskinstitution10 polXhighrisk10 , fe
193 .
194 . estimates store fe
195 .
196 . quietly xtreg rasiokerugian Policy highriskinstitution10 polXhighrisk10 , re
197 .
198 . estimates store re
199 .
200 . hausman fe re

```

	Coefficients		(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
	(b) fe	(B) re		
Policy	-.0025925	-.0024217	-.0001708	.0000124
highriski~10	.0001354	.0026126	-.0024771	.0003859
polXhighr~10	-.0026341	-.0025646	-.0000695	.0002544

b = consistent under Ho and Ha; obtained from xtreg
B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

chi2(**3**) = (b-B)'[(V_b-V_B)^(-1)](b-B)
= **43.17**
Prob>chi2 = **0.0000**
(V_b-V_B is not positive definite)

```

201 .
202 . vif, uncentered

```

Variable	VIF	1/VIF
polXhighr~10	1.64	0.610344
highriski~10	1.56	0.640385
Policy	1.08	0.928626
Mean VIF	1.43	

```

203 .
204 . quietly regress rasiokerugian Policy highriskinstitution10 polXhighrisk10

205 .
206 . szroeter rasiokerugian Policy highriskinstitution10 polXhighrisk10

```

Szroeter's test for homoskedasticity

Ho: variance constant
Ha: variance monotonic in variable

Variable	chi2	df	p
rasiokerug~n	6355.34	1	0.0000 #
Policy	856.40	1	0.0000 #
highriski~10	634.97	1	0.0000 #
polXhighr~10	49.31	1	0.0000 #

unadjusted p-values

```

207 .
208 . xtreg rasiokerugian Policy highriskinstitution10 polXhighrisk10, fe robust

```

Fixed-effects (within) regression
Group variable: **id**

Number of obs = **5,218**
Number of groups = **524**

R-sq:

within = **0.0172**
between = **0.0556**
overall = **0.0102**

Obs per group: min = **5**
avg = **10.0**
max = **10**

corr(u_i, Xb) = **-0.0409**

F(**3,523**) = **22.54**
Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0025925	.0003571	-7.26	0.000	-.003294	-.001891
highriskinstitution10	.0001354	.0015906	0.09	0.932	-.0029894	.0032602
polXhighrisk10	-.0026341	.0012648	-2.08	0.038	-.0051189	-.0001493
_cons	.0053404	.0002025	26.38	0.000	.0049426	.0057381
sigma_u	.00546987					
sigma_e	.01156053					
rho	.18292078	(fraction of variance due to u_i)				

```

209 . regress rasiokerugian Policy highriskinstitution20 polXhighrisk20

```

Source	SS	df	MS	Number of obs	=	5,218
Model	.018273335	3	.006091112	F(3, 5214)	=	41.20
Residual	.770884388	5,214	.000147849	Prob > F	=	0.0000
				R-squared	=	0.0232
				Adj R-squared	=	0.0226
Total	.789157723	5,217	.000151267	Root MSE	=	.01216


```

214 .
215 . quietly xtreg rasiokerugian Policy highriskinstitution20 polXhighrisk20 , fe

216 .
217 . estimates store fe

218 .
219 . quietly xtreg rasiokerugian Policy highriskinstitution20 polXhighrisk20 , re

220 .
221 . estimates store re

222 .
223 . hausman fe re

```

	Coefficients			
	(b) fe	(B) re	(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
Policy	-.0023142	-.0021805	-.0001337	.0000305
highriski~20	.0015452	.0032933	-.0017481	.0003451
polXhighr~20	-.0022804	-.002524	.0002436	.0001752

b = consistent under Ho and Ha; obtained from xtreg
B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

chi2(3) = (b-B)'[(V_b-V_B)^(-1)](b-B)
= **25.68**
Prob>chi2 = **0.0000**
(V_b-V_B is not positive definite)

```

224 .
225 . vif, uncentered

```

Variable	VIF	1/VIF
polXhighr~20	2.08	0.480597
highriski~20	1.86	0.538830
Policy	1.22	0.816412
Mean VIF	1.72	

```

226 .
227 . quietly regress rasiokerugian Policy highriskinstitution20 polXhighrisk20

228 .
229 . szroeter rasiokerugian Policy highriskinstitution20 polXhighrisk20

```

Szroeter's test for homoskedasticity

Ho: variance constant
Ha: variance monotonic in variable

Variable	chi2	df	p
rasiokerug~n	6328.22	1	0.0000 #
Policy	854.43	1	0.0000 #
highriski~20	644.38	1	0.0000 #
polXhighr~20	12.31	1	0.0004 #

unadjusted p-values

```

230 .
231 . xtreg rasiokerugian Policy highriskinstitution20 polXhighrisk20, fe robust

```

```

Fixed-effects (within) regression                Number of obs   =           5,218
Group variable:  id                             Number of groups =           524

R-sq:                                           Obs per group:
    within = 0.0175                             min =              5
    between = 0.0313                            avg =            10.0
    overall = 0.0170                             max =             10

F(   3,523) =           17.42
corr(u_i, Xb) = 0.0239                      Prob > F         =           0.0000

```

(Std. Err. adjusted for 524 clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0023142	.0003465	-6.68	0.000	-.0029948	-.0016336
highriskinstitution20	.0015452	.0012107	1.28	0.202	-.0008333	.0039236
polXhighrisk20	-.0022804	.0011616	-1.96	0.050	-.0045624	1.65e-06
_cons	.0050211	.0002397	20.94	0.000	.0045501	.0054921
sigma_u	.00537233					
sigma_e	.01155872					
rho	.17764911	(fraction of variance due to u_i)				

```

232 . regress rasiokerugian Policy highriskinstitution25 polXhighrisk25

```

```

Source      SS          df       MS      Number of obs   =           5,218
              F(3, 5214) =           41.93
Model        .018590223         3   .006196741   Prob > F         =           0.0000
Residual     .7705675        5,214   .000147788   R-squared        =           0.0236
Total        .789157723        5,217   .000151267   Adj R-squared    =           0.0230
              Root MSE     =           .01216

```

rasiokerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0021389	.0003887	-5.50	0.000	-.0029009	-.0013769
highriskinstitution25	.0038449	.0005426	7.09	0.000	.0027812	.0049086
polXhighrisk25	-.0021305	.000778	-2.74	0.006	-.0036557	-.0006053
_cons	.0043256	.0002776	15.58	0.000	.0037814	.0048698

```

233 .
234 . xtreg rasiokerugian Policy highriskinstitution25 polXhighrisk25, re

```

```

Random-effects GLS regression                Number of obs   =           5,218
Group variable:  id                             Number of groups =           524

R-sq:                                           Obs per group:
    within = 0.0159                             min =              5
    between = 0.0745                            avg =            10.0
    overall = 0.0232                             max =             10

Wald chi2( 3) =           105.11
corr(u_i, X) = 0 (assumed)                   Prob > chi2       =           0.0000

```


245 .
246 . hausman fe re

	Coefficients		(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
	(b) fe	(B) re		
Policy	-.0023654	-.0022255	-.0001399	.0000383
highriski~25	.0015717	.0030914	-.0015197	.0003366
polXhighr~25	-.0015907	-.0019002	.0003096	.0001659

b = consistent under Ho and Ha; obtained from xtreg
B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

chi2(3) = (b-B)'[(V_b-V_B)^(-1)](b-B)
= **19.53**
Prob>chi2 = **0.0002**
(V_b-V_B is not positive definite)

247 .
248 . vif, uncentered

Variable	VIF	1/VIF
polXhighr~25	2.23	0.448376
highriski~25	1.92	0.521472
Policy	1.31	0.761832
Mean VIF	1.82	

249 .
250 . quietly regress rasiokerugian Policy highriskinstitution25 polXhighrisk25

251 .
252 . szroeter rasiokerugian Policy highriskinstitution25 polXhighrisk25

Szroeter's test for homoskedasticity

Ho: variance constant
Ha: variance monotonic in variable

Variable	chi2	df	p
rasiokerug~n	6331.82	1	0.0000 #
Policy	858.20	1	0.0000 #
highriski~25	690.59	1	0.0000 #
polXhighr~25	1.44	1	0.2307 #

unadjusted p-values

```

253 .
254 . xtreg rasiokerugian Policy highriskinstitution25 polXhighrisk25, fe robust

```

```

Fixed-effects (within) regression              Number of obs   =          5,218
Group variable:   id                          Number of groups =          524

R-sq:                                           Obs per group:
    within =  0.0171                             min =           5
    between = 0.0583                             avg  =          10.0
    overall  = 0.0187                             max  =           10

F(   3,523)                                =          18.31
corr(u_i, Xb) = 0.0395                      Prob > F         =          0.0000

```

(Std. Err. adjusted for 524 clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0023654	.0003565	-6.64	0.000	-.0030657	-.0016651
highriskinstitution25	.0015717	.000985	1.60	0.111	-.0003634	.0035068
polXhighrisk25	-.0015907	.0011415	-1.39	0.164	-.0038332	.0006519
_cons	.0049429	.0002523	19.59	0.000	.0044473	.0054385
sigma_u	.0053447					
sigma_e	.01156081					
rho	.17609543	(fraction of variance due to u_i)				

```

255 . regress rasiokerugian Policy highriskinstitution30 polXhighrisk30

```

```

Source      SS          df       MS      Number of obs   =          5,218
              |              |              |              F(3, 5214)   =          41.48
Model        .018394186         3   .006131395    Prob > F        =          0.0000
Residual     .770763538       5,214 .000147826    R-squared       =          0.0233
Total        .789157723       5,217 .000151267    Adj R-squared  =          0.0227
              |              |              |              Root MSE      =          .01216

```

rasiokerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0022173	.0004023	-5.51	0.000	-.0030059	-.0014287
highriskinstitution30	.0035441	.000521	6.80	0.000	.0025228	.0045655
polXhighrisk30	-.0017453	.0007348	-2.38	0.018	-.0031857	-.0003048
_cons	.004272	.0002849	14.99	0.000	.0037135	.0048306

```

256 .
257 . xtreg rasiokerugian Policy highriskinstitution30 polXhighrisk30 , re

```

```

Random-effects GLS regression              Number of obs   =          5,218
Group variable:   id                          Number of groups =          524

R-sq:                                           Obs per group:
    within =  0.0156                             min =           5
    between = 0.0743                             avg  =          10.0
    overall  = 0.0229                             max  =           10

Wald chi2( 3)                                =          103.49
corr(u_i, X)  = 0 (assumed)                  Prob > chi2      =          0.0000

```

rasekerugian	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Policy	-.00228	.0003861	-5.90	0.000	-.0030369	-.0015232
highriskinstitution30	.0028375	.0005475	5.18	0.000	.0017643	.0039106
polXhighrisk30	-.0015807	.0007171	-2.20	0.028	-.0029862	-.0001751
_cons	.0044976	.0003228	13.94	0.000	.003865	.0051302
sigma_u	.0036454					
sigma_e	.0115622					
rho	.09041724	(fraction of variance due to u_i)				

```

258 .
259 . xtreg rasekerugian Policy highriskinstitution30 polXhighrisk30 , fe

```

```

Fixed-effects (within) regression              Number of obs   =           5,218
Group variable:  id                          Number of groups =           524

```

```

R-sq:                                         Obs per group:
      within =  0.0169                      min =               5
      between = 0.0555                      avg =             10.0
      overall = 0.0181                      max =              10

```

```

corr(u_i, Xb) = 0.0367                      F(   3, 4691)      =           26.86
                                         Prob > F          =           0.0000

```

rasekerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0023785	.0003884	-6.12	0.000	-.00314	-.001617
highriskinstitution30	.001373	.000636	2.16	0.031	.0001262	.0026198
polXhighrisk30	-.0013476	.0007345	-1.83	0.067	-.0027876	.0000923
_cons	.0049437	.0002965	16.67	0.000	.0043624	.0055251
sigma_u	.00535047					
sigma_e	.0115622					
rho	.17637352	(fraction of variance due to u_i)				

```

F test that all u_i=0: F( 523, 4691) = 2.05                      Prob > F = 0.0000

```

```

260 .
261 . quietly xtreg rasekerugian Policy highriskinstitution30 polXhighrisk30 , fe

262 .
263 . estimates store fe

264 .
265 . quietly xtreg rasekerugian Policy highriskinstitution30 polXhighrisk30 , re

266 .
267 . estimates store re

```

```
268 .
269 . hausman fe re
```

	Coefficients		(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
	(b) fe	(B) re		
Policy	-.0023785	-.00228	-.0000984	.0000419
highriski~30	.001373	.0028375	-.0014645	.0003235
polXhighr~30	-.0013476	-.0015807	.0002331	.0001587

b = consistent under Ho and Ha; obtained from xtreg
B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

chi2(3) = (b-B)'[(V_b-V_B)^(-1)](b-B)
= **19.98**
Prob>chi2 = **0.0002**
(V_b-V_B is not positive definite)

```
270 .
271 . vif, uncentered
```

Variable	VIF	1/VIF
polXhighr~30	2.44	0.409463
highriski~30	2.01	0.496803
Policy	1.43	0.699618
Mean VIF	1.96	

```
272 .
273 . quietly regress rasiokerugian Policy highriskinstitution30 polXhighrisk30
274 .
275 . szroeter rasiokerugian Policy highriskinstitution30 polXhighrisk30
```

Szroeter's test for homoskedasticity

Ho: variance constant
Ha: variance monotonic in variable

Variable	chi2	df	p
rasiokerug~n	6338.18	1	0.0000 #
Policy	861.52	1	0.0000 #
highriski~30	620.86	1	0.0000 #
polXhighr~30	5.16	1	0.0232 #

unadjusted p-values

```

276 .
277 . xtreg rasiokerugian Policy highriskinstitution30 polXhighrisk30, fe robust

```

```

Fixed-effects (within) regression               Number of obs   =          5,218
Group variable:  id                             Number of groups =          524

R-sq:                                           Obs per group:
    within = 0.0169                            min =           5
    between = 0.0555                           avg =          10.0
    overall = 0.0181                           max =           10

F(   3,523)                                   =          20.92
corr(u_i, Xb) = 0.0367                       Prob > F         =          0.0000

```

(Std. Err. adjusted for 524 clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0023785	.0003549	-6.70	0.000	-.0030757	-.0016813
highriskinstitution30	.001373	.0008762	1.57	0.118	-.0003484	.0030943
polXhighrisk30	-.0013476	.0010614	-1.27	0.205	-.0034328	.0007376
_cons	.0049437	.0002698	18.33	0.000	.0044138	.0054737
sigma_u	.00535047					
sigma_e	.0115622					
rho	.17637352	(fraction of variance due to u_i)				

```

278 . regress rasiokerugian Policy highriskinstitution40 polXhighrisk40

```

```

Source          SS          df          MS          Number of obs   =          5,218
                  F(3, 5214)   =          43.92
Model           .019451422         3     .006483807   Prob > F         =          0.0000
Residual        .769706301       5,214   .000147623   R-squared        =          0.0246
Total           .789157723       5,217   .000151267   Adj R-squared    =          0.0241
                  Root MSE    =          .01215

```

rasiokerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0021302	.0004345	-4.90	0.000	-.0029819	-.0012785
highriskinstitution40	.0035623	.0004919	7.24	0.000	.002598	.0045267
polXhighrisk40	-.0018213	.0006877	-2.65	0.008	-.0031694	-.0004731
_cons	.0039896	.000302	13.21	0.000	.0033976	.0045816

```

279 .
280 . xtreg rasiokerugian Policy highriskinstitution40 polXhighrisk40 , re

```

```

Random-effects GLS regression               Number of obs   =          5,218
Group variable:  id                             Number of groups =          524

R-sq:                                           Obs per group:
    within = 0.0170                            min =           5
    between = 0.0689                           avg =          10.0
    overall = 0.0244                           max =           10

Wald chi2( 3)                                   =          111.54
corr(u_i, X) = 0 (assumed)                     Prob > chi2      =          0.0000

```

rasiokerugian	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
Policy	-.0021985	.0004176	-5.26	0.000	-.003017	-.00138
highriskinstitution40	.0029946	.0005159	5.81	0.000	.0019835	.0040056
polXhighrisk40	-.0016323	.0006701	-2.44	0.015	-.0029457	-.000319
_cons	.004218	.0003394	12.43	0.000	.0035528	.0048833
sigma_u	.00365904					
sigma_e	.01155661					
rho	.09111343	(fraction of variance due to u_i)				

```

281 .
282 . xtreg rasiokerugian Policy highriskinstitution40 polXhighrisk40 , fe

```

```

Fixed-effects (within) regression              Number of obs   =          5,218
Group variable:  id                          Number of groups =          524

```

```

R-sq:                                          Obs per group:
    within =  0.0178                          min =           5
    between = 0.0634                          avg  =          10.0
    overall  = 0.0215                          max  =          10

```

```

corr(u_i, Xb) = 0.0507                      F(   3, 4691)      =          28.40
                                          Prob > F          =          0.0000

```

rasiokerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0022735	.0004208	-5.40	0.000	-.0030985	-.0014484
highriskinstitution40	.0018516	.0005982	3.10	0.002	.0006789	.0030242
polXhighrisk40	-.0013992	.0006852	-2.04	0.041	-.0027425	-.0000559
_cons	.0046559	.0003202	14.54	0.000	.0040282	.0052836
sigma_u	.00531533					
sigma_e	.01155661					
rho	.17460671	(fraction of variance due to u_i)				

```

F test that all u_i=0: F( 523, 4691) = 2.05                      Prob > F = 0.0000

```

```

283 .
284 . quietly xtreg rasiokerugian Policy highriskinstitution40 polXhighrisk40 , fe

285 .
286 . estimates store fe

287 .
288 . quietly xtreg rasiokerugian Policy highriskinstitution40 polXhighrisk40 , re

289 .
290 . estimates store re

```

291 .
292 . hausman fe re

	Coefficients		(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
	(b) fe	(B) re		
Policy	-.0022735	-.0021985	-.0000749	.000052
highriski~40	.0018516	.0029946	-.001143	.0003028
polXhighr~40	-.0013992	-.0016323	.0002331	.0001431

b = consistent under Ho and Ha; obtained from xtreg
B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

chi2(3) = (b-B)'[(V_b-V_B)^(-1)](b-B)
= **12.45**
Prob>chi2 = **0.0060**
(V_b-V_B is not positive definite)

293 .
294 . vif, uncentered

Variable	VIF	1/VIF
polXhighr~40	2.86	0.349357
highriski~40	2.13	0.469319
Policy	1.73	0.577481
Mean VIF	2.24	

295 .
296 . quietly regress rasiokerugian Policy highriskinstitution40 polXhighrisk40
297 .
298 . szroeter rasiokerugian Policy highriskinstitution40 polXhighrisk40

Szroeter's test for homoskedasticity

Ho: variance constant
Ha: variance monotonic in variable

Variable	chi2	df	p
rasiokerug~n	6332.54	1	0.0000 #
Policy	860.97	1	0.0000 #
highriski~40	631.38	1	0.0000 #
polXhighr~40	2.85	1	0.0913 #

unadjusted p-values

```

299 .
300 . xtreg rasiokerugian Policy highriskinstitution40 polXhighrisk40, fe robust

```

```

Fixed-effects (within) regression               Number of obs   =          5,218
Group variable:  id                             Number of groups =          524

R-sq:                                           Obs per group:
    within =  0.0178                           min =              5
    between = 0.0634                           avg =             10.0
    overall  = 0.0215                           max =             10

F(   3,523)                                   =          21.98
corr(u_i, Xb) = 0.0507                        Prob > F         =          0.0000

(Std. Err. adjusted for 524 clusters in id)

```

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0022735	.0003615	-6.29	0.000	-.0029837	-.0015632
highriskinstitution40	.0018516	.0008181	2.26	0.024	.0002443	.0034588
polXhighrisk40	-.0013992	.0009417	-1.49	0.138	-.0032491	.0004507
_cons	.0046559	.0003067	15.18	0.000	.0040535	.0052584
sigma_u	.00531533					
sigma_e	.01155661					
rho	.17460671	(fraction of variance due to u_i)				

```

301 . regress rasiokerugian Policy highriskinstitution50 polXhighrisk50

```

```

Source      SS          df       MS      Number of obs   =          5,218
              F(3, 5214)   =          40.91
Model       .018146448        3   .006048816   Prob > F         =          0.0000
Residual    .771011275     5,214   .000147873   R-squared        =          0.0230
Total       .789157723     5,217   .000151267   Adj R-squared    =          0.0224
              Root MSE    =          .01216

```

rasiokerugian	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0020019	.0004777	-4.19	0.000	-.0029383	-.0010655
highriskinstitution50	.0033072	.000479	6.90	0.000	.0023682	.0042462
polXhighrisk50	-.0018799	.0006759	-2.78	0.005	-.0032049	-.0005548
_cons	.0038222	.0003236	11.81	0.000	.0031878	.0044567

```

302 .
303 . xtreg rasiokerugian Policy highriskinstitution50 polXhighrisk50 , re

```

```

Random-effects GLS regression               Number of obs   =          5,218
Group variable:  id                             Number of groups =          524

R-sq:                                           Obs per group:
    within =  0.0165                           min =              5
    between = 0.0646                           avg =             10.0
    overall  = 0.0227                           max =             10

Wald chi2( 3)                                   =          104.79
corr(u_i, X)   =  0 (assumed)                  Prob > chi2      =          0.0000

```


314 .
315 . hausman fe re

	Coefficients		(b-B) Difference	sqrt(diag(V_b-V_B)) S.E.
	(b) fe	(B) re		
Policy	-.0020359	-.0020284	-7.50e-06	.0000689
highriski~50	.001542	.0027171	-.0011751	.0002848
polXhighr~50	-.0016194	-.0017655	.0001461	.0001447

b = consistent under Ho and Ha; obtained from xtreg
B = inconsistent under Ha, efficient under Ho; obtained from xtreg

Test: Ho: difference in coefficients not systematic

chi2(3) = (b-B)'[(V_b-V_B)^(-1)](b-B)
= **15.94**
Prob>chi2 = **0.0012**
(V_b-V_B is not positive definite)

316 .
317 . vif, uncentered

Variable	VIF	1/VIF
polXhighr~50	3.39	0.295337
highriski~50	2.20	0.454755
Policy	2.19	0.457252
Mean VIF	2.59	

318 .
319 . quietly regress rasiokerugian Policy highriskinstitution50 polXhighrisk50
320 .
321 . szroeter rasiokerugian Policy highriskinstitution50 polXhighrisk50

Szroeter's test for homoskedasticity

Ho: variance constant
Ha: variance monotonic in variable

Variable	chi2	df	p
rasiokerug~n	6344.63	1	0.0000 #
Policy	858.38	1	0.0000 #
highriski~50	337.60	1	0.0000 #
polXhighr~50	65.33	1	0.0000 #

unadjusted p-values

```
322 .
323 . xtreg rasiokerugian Policy highriskinstitution50 polXhighrisk50 , fe robust
```

Fixed-effects (within) regression
 Group variable: **id**

Number of obs = **5,218**
 Number of groups = **524**

R-sq:

within = **0.0175**
 between = **0.0492**
 overall = **0.0188**

Obs per group:

min = **5**
 avg = **10.0**
 max = **10**

corr(u_i, Xb) = **0.0366**

F(**3,523**) = **18.40**
 Prob > F = **0.0000**

(Std. Err. adjusted for **524** clusters in id)

rasiokerugian	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
Policy	-.0020359	.000386	-5.27	0.000	-.0027942	-.0012775
highriskinstitution50	.001542	.0007573	2.04	0.042	.0000542	.0030298
polXhighrisk50	-.0016194	.0007784	-2.08	0.038	-.0031487	-.0000901
_cons	.0046506	.0003493	13.31	0.000	.0039643	.0053368
sigma_u	.00534773					

—more—