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LAMPIRAN

**DATA PENDAPATAN ASLI DAERAH KABUPATEN/KOTA PROVINSI
SUMATERA UTARA TAHUN 2015-2020**

Kabupaten/ Kota	Tahun	PAD	PDRB	Pajak Restoran	Jumlah Wisatawan
Nias	2015	63227700	17883321	9861737	14110
Nias	2016	69414470	17832367	10695413 00	16637
Nias	2017	77222210	17083166	11799579 99	21076
Nias	2018	81393907	16360665, 8	17567607 35	23430
Nias	2019	86228075	16173863, 08	20436921 12	19717
Nias	2020	88468900	15487168, 06	18349312 25	69
Mandailing Natal	2015	65720595	19713554	19704000	12325
Mandailing Natal	2016	85508995	20884763	10071460 0	23650
Mandailing Natal	2017	11766177 0	20077434	13192316 0	20414
Mandailing Natal	2018	10011176 9	19149942, 92	27092636 1	22611
Mandailing Natal	2019	12012855 8	18224392, 31	40164215 2	21848
Mandailing Natal	2020	12012855 8	17340036, 15	20161321 5	710
Tapanuli Selatan	2015	98438745	32405690	18275578 48	5310
Tapanuli Selatan	2016	90666249	34333370	46391905 41	16637
Tapanuli Selatan	2017	81435847	32830961	29508510 31	17737
Tapanuli Selatan	2018	11067807 5	31401969, 5	50527437 53,19	18738
Tapanuli Selatan	2019	13875160 8	30028958, 77	83517814 53	10796
Tapanuli Selatan	2020	16538211 8	28753427, 78	56251483 12	2100
Tapanuli Tengah	2015	37451580	19159574	50564170 0	50132
Tapanuli Tengah	2016	76160274	18426363	90420835 7	85921

Tapanuli Tengah	2017	72369935	18040975	11070927 98	27082
Tapanuli Tengah	2018	10000000 0	17454918, 77	14736213 85	97783
Tapanuli Tengah	2019	11500251 8	16900836, 01	28413242 51	314323
Tapanuli Tengah	2020	11378824 5	16394405, 15	16320420 10	265640
Tapanuli Utara	2015	50000000	18757263	18730403 11	109782
Tapanuli Utara	2016	67183704	19051661	23664386 73	129813
Tapanuli Utara	2017	94623509	18374589	25059131 52	147635
Tapanuli Utara	2018	11000859 0	17731975, 77	35947378 05	153100
Tapanuli Utara	2019	12360000 6	17151461, 02	47829380 01	483138
Tapanuli Utara	2020	14983397 7	16596778, 49	47829380 01	141350
Toba	2015	34197975	26728923	28302165 8	114741
Toba	2016	37451580	29982468	12957142 63,50	652968
Toba	2017	44367570	28735785	15833485 32	741566
Toba	2018	50147346	27512115, 44	19606345 53,50	645503
Toba	2019	30415182	26393269, 6	20687497 66,70	802617
Toba	2020	60503708	25327821, 78	19830116 54001	217729
Labuhan Batu	2015	14629070	47272345	10674361 39	17392
Labuhan Batu	2016	16188617 6	46516864	12906513 50	15116
Labuhan Batu	2017	16398968 9	45453757	17711743 29	20212
Labuhan Batu	2018	18096268 7	43979259, 2	19737934 49	20015
Labuhan Batu	2019	19777917 6	42604783, 14	23114315 52	19717
Labuhan Batu	2020	23322917 6	41283786, 88	13251013 24	7832
Asahan	2015	71255889	34269170	48529560 4	20040
Asahan	2016	10481666	35853217	66757075	23650

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Asahan	2017	10789018 9	34298167	89197538 5	21749
Asahan	2018	12170760 7	32732373, 1	11069867 25	14744
Asahan	2019	13845432 5	31293960, 55	20328823 55	15625
Asahan	2020	15155859 3	29898389, 59	19243250 01	44
Simalungun	2015	11241428 9	28024200	16168378 3	294444
Simalungun	2016	11998027 4	31498973	11051718 13	314890
Simalungun	2017	21378958 5	30098897	18391592 86	218282
Simalungun	2018	66181520 2	28764975, 24	17028816 26	557028
Simalungun	2019	19350908 4	27512314, 33	25438923 41	369678
Simalungun	2020	17446300 5	26258511, 15	10575215 21224	125503
Dairi	2015	60661870	21142880	13966876 73	126866
Dairi	2016	75647999	23130294	15586980 00,70	260193
Dairi	2017	66344330	22131904	19055562 94	139771
Dairi	2018	10142632 8	21175290, 46	19338666 07,90	118509
Dairi	2019	86180996	20271732, 74	25764390 00	51347
Dairi	2020	86927335	19397859, 67	18726543 25	482513
Karo	2015	53557219	35330580	22726612 16	566831
Karo	2016	92659298	34241297	30710987 14,91	837476
Karo	2017	10400000 0	33354896 9	33715038 00	700800
Karo	2018	14775097 7	32603230, 05	41731794 35	300111
Karo	2019	10547169 9	31505119, 61	89437214 21	248706
Karo	2020	10384095 7	30495898, 68	44151738 42	10775
Deli Serdang	2015	16307206 72	3611692	17809138 19	15648

Deli Serdang	2016	37222871 5	32323392	17626800 00	20212
Deli Serdang	2017	66261577 5	31703566	22356000 0	23784
Deli Serdang	2018	10009270 60	30734437, 46	27672000 0	26835
Deli Serdang	2019	11683657 51	29837900, 25	30786202 58400	38
Deli Serdang	2020	11799499 61	28932854, 74	18500845 6200	50634
Langkat	2015	11090035 1	28520913	11962206 12	18600
Langkat	2016	11540335 2	28383253	17043400 17	31000
Langkat	2017	13107642 3	27206663	24188623 00	100104
Langkat	2018	19085084 7	26084182, 01	22854745 96	101400
Langkat	2019	15148084 7	25003534, 61	44570546 71	109304
Langkat	2020	16348084 7	24000361, 65	36817420 01	28326
Nias Selatan	2015	50640919	11840901	10813643 11	33710
Nias Selatan	2016	14110807	13141502	13365176 66	57442
Nias Selatan	2017	14160410	12669144	16365667 84	61292
Nias Selatan	2018	21079237	12171368, 12	27887638 97,65	72596
Nias Selatan	2019	21079237	11763472, 56	39451210 44,52	10783
Nias Selatan	2020	31079236	11370111, 65	21167271 19,54	20781
Humbang Hasundutan	2015	27752528	20981725	86644700	20781
Humbang Hasundutan	2016	35045118	21688746	15171308 47	27978
Humbang Hasundutan	2017	41679311	20936544	16019535 00	28950
Humbang Hasundutan	2018	61716877	20122023, 79	19191129 01	25430
Humbang Hasundutan	2019	66211385	19348073, 78	20775628 60,55	22224
Humbang Hasundutan	2020	70130038	18617318, 35	17936200 13,55	144

Pakpak Bharat	2015	14960680	16352227	25163099 2	10691
Pakpak Bharat	2016	15235187	17192814	11069874 30	15371
Pakpak Bharat	2017	24297176	16729545	11213663 49	19983
Pakpak Bharat	2018	28079648	16119206, 71	10457646 99	23430
Pakpak Bharat	2019	21286889	15474460, 42	16730436 92	22037
Pakpak Bharat	2020	22677592	14883401, 86	10026130 00	134
Samosir	2015	26595698	22645210	16971195 0	378491
Samosir	2016	30786029	24562771	70901923 0	284659
Samosir	2017	73255677	23301473	11991004 84	494700
Samosir	2018	54289358	22197192, 88	12636758 67	381649
Samosir	2019	57343456	21171504, 34	19847890 41	221472
Samosir	2020	71993820	20226182, 27	10124329 12	22899
Serdang Bedagai	2015	72418621	29433590	14348330 3	16871
Serdang Bedagai	2016	89259943	31525713	16477748 73	15730
Serdang Bedagai	2017	10247986 1	29972081	29435511 64	18925
Serdang Bedagai	2018	21915698 4	28578473, 62	32498383 46	19221
Serdang Bedagai	2019	12650201 5	27264694, 46	53249835 41	21846
Serdang Bedagai	2020	13440527 5	26026252, 61	28314293 12	1351
Batu Bara	2015	43361398	58368433	32183194 6	393732
Batu Bara	2016	50426645	57372549	35654635 37,50	10232
Batu Bara	2017	51590500	55687755	28835975 43	10600
Batu Bara	2018	63225916	53861509, 86	32167390 42	7216
Batu Bara	2019	90410760	52272754, 35	52860324 91	2200
Batu Bara	2020	17591428	50560544,	24110326	29000

		3	86	94	
Padang Lawas Utara	2015	26315846	32035761	10803754 91	21706
Padang Lawas Utara	2016	32165959	29810105	16708439 68	20005
Padang Lawas Utara	2017	35150441	29095952	24062680 67	23948
Padang Lawas Utara	2018	49619435	28068178, 35	27225203 03	22768
Padang Lawas Utara	2019	49354507	27119735, 19	48127651 11	24113
Padang Lawas Utara	2020	59455282	26123859, 10	23891256 01	36
Padang Lawas	2015	40117299	30960573	96282927 9	11345
Padang Lawas	2016	49991247	27919942	14609818 86	12215
Padang Lawas	2017	52272736	27346229	16502229 01	13571
Padang Lawas	2018	59568272	26353881, 12	18139110 49	24991
Padang Lawas	2019	58694222	25498070, 39	23431160 24	22340
Padang Lawas	2020	54841604	24579285, 28	18390421 16	28
Labuhanbatu Selatan	2015	39900150	60340691	36992000	731
Labuhanbatu Selatan	2016	41169542	54619158	38495000	843
Labuhanbatu Selatan	2017	41169542	53459816	38272775	862
Labuhanbatu Selatan	2018	57290705	51732841, 88	33598515 0	904
Labuhanbatu Selatan	2019	59064373	50216524	68972511 8	906
Labuhanbatu Selatan	2020	80836376	48726623, 25	39109100 8	12
Labuhanbatu Utara	2015	30421084	45457411	86181768 2	19943
Labuhanbatu Utara	2016	35326054	47262918	90164079 3000	120120
Labuhanbatu Utara	2017	20380000	45475598	10962527 18	1500
Labuhanbatu Utara	2018	51069121	43618783, 14	13588182 05	45000
Labuhanbatu Utara	2019	39243528	41874816, 84	26541100 04	67800

Labuhanbatu Utara	2020	59778488	40186527,35	1362542118	13650
Nias Utara	2015	30000000	16142680	766758587	955
Nias Utara	2016	28000000	16882745	1269795437	3087
Nias Utara	2017	32005000	16267983	1217219125	3426
Nias Utara	2018	71897203	15684401,3	1239069485	3652
Nias Utara	2019	12540000	15138638,09	24139281117	5477
Nias Utara	2020	146228579	14594215,51	1811254013	2051
Nias Barat	2015	20000000	14000410	729985711	518
Nias Barat	2016	24000000	15101762	934729633	781
Nias Barat	2017	28740000	14448585	1340349661	781
Nias Barat	2018	50000000	13855913,72	1194909380	1121
Nias Barat	2019	17721454	12597770,98	2843621002	2059
Nias Barat	2020	22856503	12069737,86	1114325492	0
Sibolga	2015	60531154	39360246	301765412	17754
Sibolga	2016	65159344	40822377	483722929,69	26929
Sibolga	2017	78454413	38868882	864040791	30060
Sibolga	2018	108129372	37025798,1	1819159908	47900
Sibolga	2019	114280408	35293313,19	2692114542	52800
Sibolga	2020	123069925	33670916,49	1436114201	968
Tanjungbalai	2015	5940728	32838962	532116000	8421
Tanjungbalai	2016	63898624	32861361	620053927	12730
Tanjungbalai	2017	65315422	31584351	677725411	19983
Tanjungbalai	2018	69060641	30229196,27	701248199	14999
Tanjungbalai	2019	91602141	29006558,	91165723	13221

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Tanjungbalai	2020	87102141	27765752, 64	77247232 8	1038
Pematangsiantar	2015	13013485 2	35261711	25100776 6	20892
Pematangsiantar	2016	11120772 0	37562875	36566829 62	28961
Pematangsiantar	2017	11814889 0	36174303	43957320 71	27082
Pematangsiantar	2018	12818836 6	34790061, 93	51097979 29	21005
Pematangsiantar	2019	11963022 0	33589800, 87	93821164 52	20432
Pematangsiantar	2020	11894927 7	32304024, 93	63841120 08	138
Tebing Tinggi	2015	67190406	22810098	26965494 2	16841
Tebing Tinggi	2016	86115554	23924923	40389220 6	28950
Tebing Tinggi	2017	97371699	23130037	85500227 3	20212
Tebing Tinggi	2018	10557995 1	22251504, 28	15315553 56	25642
Tebing Tinggi	2019	10865047 1	21401550, 46	28434105 21	17516
Tebing Tinggi	2020	11460279 8	20631316, 47	11830041 16	90
Medan	2015	16492371 63	63321299	12441000 0000	205926
Medan	2016	18271968 28	68575552	14732000 0000	177180
Medan	2017	19737423 39	65369991	15104700 0000	229035
Medan	2018	21126630 59	62177532, 86	17278900 0000	221185
Medan	2019	23382821 67	59236740, 66	20988393 7063,74	0
Medan	2020	16747530 98	56214865, 75	18000000 0000	0
Binjai	2015	88674387	27468201	43556931 2	18551
Binjai	2016	88674387	29237445	35935085 78	17628
Binjai	2017	98283094	28144644	49928703 09	20080
Binjai	2018	13603314 8	26979956, 05	59919161 82	13571

Binjai	2019	21634742	25888496, 16	10484912 116	10371
Binjai	2020	15126134 6	24826319, 54	68719847 11	1112
Padangsidimpua n	2015	56027872	18864132	17364130 08	80789
Padangsidimpua n	2016	69104801	19041497	18434264 17	86445
Padangsidimpua n	2017	91296969	18451718	19850515 98	91853
Padangsidimpua n	2018	93323653	17731903, 34	25165472 12	153955
Padangsidimpua n	2019	95200820	17081174, 31	48739861 16	157198
Padangsidimpua n	2020	92821679	16464768, 41	21187235 34	112916
Gunungsitoli	2015	34400000	25344252	19386410 00	15788
Gunungsitoli	2016	28000000	23944192	22860413 11	18438
Gunungsitoli	2017	34937400	22940736	24426802 36	20212
Gunungsitoli	2018	36656263	21891891, 66	23508863 18	14744
Gunungsitoli	2019	28571605	20889511, 75	43910055 43	16761
Gunungsitoli	2020	34019889	19948260, 75	29861102 35	1054

PROGRAM R

```
library(readxl)
DATA <- read_excel("DATA.xlsx")
View(DATA)
library(plm)
```

1. Common Effect Model

```
common=plm(PAD~PDRB+Jumlah.Wisatawan+Pajak.Restoran, data = DATA,
model = "pooling")
summary (common)
```

Pooling Model

```
Call:
plm(formula = PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran,
data = DATA, model = "pooling")
```

Balanced Panel: n = 33, T = 6, N = 198

Residuals:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-8.98e+08	-9.41e+07	-5.84e+07	0.00e+00	-2.48e+07	2.02e+09

Coefficients:

	Estimate	Std. Error	t-value	Pr(> t)
(Intercept)	6.8771e+07	3.8476e+07	1.7874	0.07544 .
PDRB	2.8212e+00	1.0096e+00	2.7945	0.00572 **
Jumlah.Wisatawan	-1.3550e+01	1.5803e+02	-0.0857	0.93176
Pajak.Restoran	3.8564e-04	8.3822e-05	4.6007	7.591e-06 ***

Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Total Sum of Squares: 2.6176e+19

Residual Sum of Squares: 2.269e+19

R-Squared: 0.1332

Adj. R-Squared: 0.11979

F-statistic: 9.93684 on 3 and 194 DF, p-value: 3.9984e-06

2. Fixed Effect Model

```
fixed=plm(PAD~PDRB+Jumlah.Wisatawan+Pajak.Restoran, data = DATA,
model = "within")
summary (fixed)
```

Oneway (individual) effect Within Model

Call:

```
plm(formula = PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran,
data = DATA, model = "within")
```

Balanced Panel: n = 33, T = 6, N = 198

Residuals:

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-5.63e+08	-1.44e+07	-1.34e+06	0.00e+00	1.38e+07	6.85e+08

Coefficients:

```

                Estimate Std. Error t-value Pr(>|t|)
PDRB                -4.1509e-01  3.6025e-01 -1.1522 0.250930
Jumlah.Wisatawan    1.0100e+02  7.9397e+01  1.2721 0.205144
Pajak.Restoran      7.9643e-05  2.8537e-05  2.7909 0.005888 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Total Sum of Squares:    1.6465e+18
Residual Sum of Squares: 1.5577e+18
R-Squared:                0.53929
Adj. R-Squared:          -0.15047
F-statistic: 3.07818 on 3 and 162 DF, p-value: 0.029179

```

3. Random Effect Model

```

random=plm(PAD~PDRB+Jumlah.Wisatawan+Pajak.Restoran, data = DATA,
model = "random")
summary (random)
Oneway (individual) effect Random Effect Model
(Swamy-Arora's transformation)

Call:
plm(formula = PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran,
data = DATA, model = "random")

```

Balanced Panel: n = 33, T = 6, N = 198

Effects:

```

                var  std.dev share
idiosyncratic 9.615e+15 9.806e+07 0.107
individual    7.983e+16 2.825e+08 0.893
theta: 0.8597

```

Residuals:

```

    Min.  1st Qu.  Median    Mean  3rd Qu.  Max.
-4.49e+08 -2.57e+07 -1.41e+07  0.00e+00  3.71e+06  8.02e+08

```

Coefficients:

```

                Estimate Std. Error z-value Pr(>|z|)
(Intercept)    1.6455e+08 5.3107e+07 3.0984 0.001946 **
PDRB            -3.2070e-01 3.7350e-01 -0.8586 0.390555
Jumlah.Wisatawan 9.9850e+01 8.1098e+01 1.2312 0.218237
Pajak.Restoran  8.7852e-05 2.9612e-05 2.9667 0.003010 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

```

```

Total Sum of Squares:    2.1292e+18
Residual Sum of Squares: 2.0273e+18
R-Squared:                0.78634
Adj. R-Squared:          0.033139
Chisq: 9.75212 on 3 DF, p-value: 0.020795

```

4. Uji Chow

```

pFtest(fixed,common)
F test for individual effects

```

```

data: PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran
F = 68.679, df1 = 32, df2 = 162, p-value < 2.2e-16

```

alternative hypothesis: significant effects

5. Uji Hausman

```
phtest(fixed,random)
Hausman Test
```

```
data: PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran
chisq = 2.0682, df = 3, p-value = 0.5584
alternative hypothesis: one model is inconsistent
```

6. Uji Breusch-Pagan

```
plmtest(fixed,effect = "twoways",type = "bp")
Lagrange Multiplier Test - two-ways effects (Breusch-Pagan) for
balanced
panels
```

```
data: PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran
chisq = 329.08, df = 2, p-value < 2.2e-16
alternative hypothesis: significant effects
```

```
plmtest(fixed,effect = "individual",type = "bp")
Lagrange Multiplier Test - (Breusch-Pagan) for balanced panels
```

```
data: PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran
chisq = 327.02, df = 1, p-value < 2.2e-16
alternative hypothesis: significant effects
```

```
plmtest(fixed,effect = "time",type = "bp")
Lagrange Multiplier Test - time effects (Breusch-Pagan) for
balanced
panels
```

```
data: PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran
chisq = 2.0638, df = 1, p-value = 0.1508
alternative hypothesis: significant effects
```

7. Uji Asumsi Klasik

```
library(lmtest)
Model= plm(PAD~PDRB+Jumlah.Wisatawan+Pajak.Restoran, data = DATA,
model = "within")
summary(Model)
Oneway (individual) effect Within Model
```

```
Call:
plm(formula = PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran,
data = DATA, model = "within")
```

Balanced Panel: n = 33, T = 6, N = 198

```
Residuals:
  Min.    1st Qu.    Median      Mean    3rd Qu.     Max.
-5.63e+08 -1.44e+07 -1.34e+06  0.00e+00  1.38e+07  6.85e+08
```

```
Coefficients:
                Estimate Std. Error t-value Pr(>|t|)
PDRB                -4.1509e-01  3.6025e-01 -1.1522 0.250930
```



```
Jumlah.Wisatawan 1.0100e+02 7.9397e+01 1.2721 0.205144
Pajak.Restoran 7.9643e-05 2.8537e-05 2.7909 0.005888 **
---
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
Total Sum of Squares: 1.6465e+18
Residual Sum of Squares: 1.5577e+18
R-Squared: 0.053929
Adj. R-Squared: -0.15047
F-statistic: 3.07818 on 3 and 162 DF, p-value: 0.029179
```

```
bptest(fixed, studentize = TRUE, data = DATA)
studentized Breusch-Pagan test
```

```
data: fixed
BP = 18.305, df = 3, p-value = 0.0003805
```

```
library(car)
Modelko =lm(PAD~PDRB+Jumlah.Wisatawan +Pajak.Restoran, data =
DATA)
summary(Modelko)
```

```
Call:
lm(formula = PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran,
data = DATA)
```

```
Residuals:
    Min       1Q   Median       3Q      Max
-14675389 -36579564  3.81e+06  48759078 107468904
```

```
Coefficients:
            Estimate Std. Error z-value Pr(>|z|)
(Intercept) -9.158e+07 4.0068e+07 -2.287 0.02965 *
PDRB         5.9133e-01 3.0184e-01  5.8104 1.41773
Jumlah.Wisatawan -2.279e+01 6.2882e+01 -3.6866 0.49233
Pajak.Restoran  2.764e+02 4.569e+01  5.2349 1.69e-16 ***
---
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
Residual standart error: 62750000 on 31 degrees of freedom
Multiple R-squared: 0.9022, Adjusted R-squared: 0.8927
F-statistic: 95.29 on 3 and 31 DF, p-value: 9.758e-16
```

```
vif(Modelko)
      PDRB Jumlah.Wisatawan Pajak.Restoran
2.687450      1.478658      3.31587
```

8. Uji F, Uji T, Koefisien Determinasi menggunakan *Fixed Effect Model* dengan Efek Individual

```
random.i=plm(PAD~PDRB+Jumlah.Wisatawan+Pajak.Restoran, data =DATA,
model = "random",effect = "individual")
summary(random.i)
```

```
Oneway (individual) effect Random Effect Model
(Swamy-Arora's transformation)
```

```

Call:
plm(formula = PAD ~ PDRB + Jumlah.Wisatawan + Pajak.Restoran,
     data = DATA, effect = "individual", model = "random")

Balanced Panel: n = 33, T = 6, N = 198

Effects:
              var   std.dev share
idiosyncratic 9.615e+15 9.806e+07 0.107
individual     7.983e+16 2.825e+08 0.893
theta: 0.8597

Residuals:
      Min.   1st Qu.   Median     Mean   3rd Qu.    Max.
-4.49e+08 -2.57e+07 -1.41e+07  0.00e+00  3.71e+06  8.02e+08

Coefficients:
              Estimate Std. Error z-value Pr(>|z|)
(Intercept)  1.6455e+08  5.3107e+07  3.0984 0.001946 **
PDRB         -3.2070e-01  3.7350e-01 -0.8586 0.390555
Jumlah.Wisatawan 9.9850e+01  8.1098e+01  1.2312 0.218237
Pajak.Restoran  8.7852e-05  2.9612e-05  2.9667 0.003010 **
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Total Sum of Squares: 2.1292e+18
Residual Sum of Squares: 2.0273e+18
R-Squared: 0.047863
Adj. R-Squared: 0.033139
Chisq: 9.75212 on 3 DF, p-value: 0.020795

random.i2=plm(PAD~Jumlah.Wisatawan+Pajak.Restoran, data =DATA,
model = "random",effect = "individual")
summary(random.i2)

Oneway (individual) effect Random Effect Model
(Swamy-Arora's transformation)

Call:
plm(formula = PAD ~ Jumlah.Wisatawan + Pajak.Restoran, data =
DATA,
     effect = "individual", model = "random")

Balanced Panel: n = 33, T = 6, N = 198

Effects:
              var   std.dev share
idiosyncratic 9.635e+15 9.816e+07 0.091
individual     9.637e+16 3.104e+08 0.909
theta: 0.872

Residuals:
      Min.   1st Qu.   Median     Mean   3rd Qu.    Max.
-4.62e+08 -2.57e+07 -1.37e+07  0.00e+00  4.68e+06  7.98e+08

Coefficients:
              Estimate Std. Error z-value Pr(>|z|)
(Intercept)  1.5666e+08  5.6064e+07  2.7943 0.005201 **
Jumlah.Wisatawan 8.2559e+01  7.7439e+01  1.0661 0.286373

```

```
Pajak.Restoran 8.5252e-05 2.9014e-05 2.9383 0.003300 **
---
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
Total Sum of Squares: 2.0485e+18
Residual Sum of Squares: 1.9575e+18
R-Squared: 0.044444
Adj. R-Squared: 0.034644
Chisq: 9.06976 on 2 DF, p-value: 0.010728
```

```
random.i3=plm(PAD~Pajak.Restoran, data =DATA, model =
"random",effect = "individual")
summary(random.i3)
Oneway (individual) effect Random Effect Model
(Swamy-Arora's transformation)
```

```
Call:
plm(formula = PAD ~ Pajak.Restoran, data = panel, effect =
"individual",
      model = "random")
```

```
Balanced Panel: n = 33, T = 6, N = 198
```

```
Effects:
```

	var	std.dev	share
idiosyncratic	9.638e+15	9.817e+07	0.094
individual	9.341e+16	3.056e+08	0.906

theta: 0.87

```
Residuals:
```

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-4.64e+08	-2.65e+07	-1.28e+07	0.00e+00	3.96e+06	7.95e+08

```
Coefficients:
```

	Estimate	Std. Error	z-value	Pr(> z)
(Intercept)	1.6407e+08	5.4965e+07	2.9849	0.002837 **
Pajak.Restoran	8.1133e-05	2.8823e-05	2.8149	0.004880 **

```
---
Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
```

```
Total Sum of Squares: 2.0612e+18
Residual Sum of Squares: 1.9811e+18
R-Squared: 0.038855
Adj. R-Squared: 0.033952
Chisq: 7.92354 on 1 DF, p-value: 0.0048796
```