

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2015
 Results from DEAP Version 2.1

 by Tim Coelli, CEPA
<http://www.uq.edu.au/economics/cepa>

Project: Hasil Olah Data Suhail Eresmair DEAP 2.1 Model CRS
 Model 1: First model

Input orientated DEA

Scale assumption: CRS

Slacks calculated using multi-stage method

EFFICIENCY SUMMARY:

firm	te
BNIS	1.000
BRIS	1.000
BSM	0.689
BCAS	1.000
BMM	0.588
ALB	0.807
ALN	1.000
ALR	1.000
ALJ	1.000
BLME	0.580
GTH	1.000
QIB	1.000
RSM	1.000
ALRYN	1.000

mean 0.905

SUMMARY OF OUTPUT SLACKS:

firm	output:	Output_1	Output_2
BNIS		0.000	0.000
BRIS		0.000	0.000
BSM	78531836.861	0.000	0.000
BCAS		0.000	0.000
BMM	*****		0.000
ALB		0.000	0.000
ALN		0.000	0.000
ALR		0.000	0.000
ALJ		0.000	0.000
BLME	6791.072		0.000
GTH		0.000	0.000
QIB		0.000	0.000
RSM		0.000	0.000
ALRYN		0.000	0.000
mean	24192309.017		0.000

SUMMARY OF INPUT SLACKS:

firm	input:	Input_1	Input_2	Input_3
BNIS		0.000	0.000	0.000
BRIS		0.000	0.000	0.000
BSM		0.000	0.000	0.000
BCAS		0.000	0.000	0.000
BMM		0.000	0.000	0.000
ALB		0.000	0.000	4161464.481
ALN		0.000	0.000	0.000
ALR		0.000	0.000	0.000
ALJ		0.000	0.000	0.000

	Hasil olah Data Suhail	Eresmair	DEAP 2_1 Model	CSR 2015
BLME	0.000	0.000	0.000	
GTH	0.000	0.000	0.000	
QIB	0.000	0.000	0.000	
RSM	0.000	0.000	0.000	
ALRYN	0.000	0.000	0.000	
mean	0.000	0.000	297247.463	

SUMMARY OF PEERS:

firm	peers:
BNIS	BNIS
BRIS	BRIS
BSM	BCAS QIB ALN
BCAS	BCAS
BMM	BCAS ALN QIB
ALB	ALJ ALN BCAS
ALN	ALN
ALR	ALR
ALJ	ALJ
BLME	BCAS QIB ALN
GTH	GTH
QIB	QIB
RSM	RSM
ALRYN	ALRYN

SUMMARY OF PEER WEIGHTS:
(in same order as above)

firm	peer weights:
BNIS	1.000
BRIS	1.000
BSM	13.649***** 9.844
BCAS	1.000
BMM	5.07614.461*****
ALB	0.314 0.195 0.004
ALN	1.000
ALR	1.000
ALJ	1.000
BLME	0.000 0.725 0.002
GTH	1.000
QIB	1.000
RSM	1.000
ALRYN	1.000

PEER COUNT SUMMARY:
(i.e., no. times each firm is a peer for another)

firm	peer count:
BNIS	0
BRIS	0
BSM	0
BCAS	4
BMM	0
ALB	0
ALN	4
ALR	0
ALJ	1
BLME	0
GTH	0
QIB	3
RSM	0
ALRYN	0

SUMMARY OF OUTPUT TARGETS:

firm	output:	Output_1	Output_2
BNIS	*****		

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2015

```

BRIS *****
BSM *****
BCAS 23436850.000*****
BMM *****
ALB 788423.00042637280.000
ALN 1469976.00074097662.000
ALR 7130075.000*****
ALJ 1287119.00046555011.000
BLME 6902.072 706121.000
GTH 4079.000 95029.000
QIB 2548.000 299627.000
RSM 600.000 40244.000
ALRYN 1215.000 82719.000
    
```

SUMMARY OF INPUT TARGETS:

```

firm input:      Input_1      Input_2      Input_3
BNIS *****
BRIS *****
BSM *****
BCAS 40000870.00065056164.000*****
BMM *****
ALB 638880.832 688100.09029859735.945
ALN 1326070.000 669975.00065694524.000
ALR 5578931.000 2661043.000*****
ALJ 679088.000 908901.00049673599.000
BLME 18480.800 11158.591 152655.514
GTH 14223.000 5770.000 2760.000
QIB 16249.000 3715.000 7726.000
RSM 174.000 5378.000 6630.000
ALRYN 261.000 5579.000 509803.000
    
```

FIRM BY FIRM RESULTS:

Results for BNIS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	228525000.000	0.000	0.000	228525000.000
output Output_2	*****	0.000	0.000	*****
input Input_1	159759000.000	0.000	0.000	159759000.000
input Input_2	669585000.000	0.000	0.000	669585000.000
input Input_3	2780736000.000	0.000	0.000	2780736000.000

LISTING OF PEERS:

```

peer  lambda weight
BNIS  1.000
    
```

Results for BRIS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	122637000.000	0.000	0.000	122637000.000
output Output_2	*****	0.000	0.000	*****
input Input_1	156188000.000	0.000	0.000	156188000.000
input Input_2	509098000.000	0.000	0.000	509098000.000
input Input_3	4654760000.000	0.000	0.000	4654760000.000

LISTING OF PEERS:

```

peer  lambda weight
BRIS  1.000
    
```

Results for BSM:

Technical efficiency = 0.689

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	289575720.000	0.000	78531836.861	368107556.861

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2015

```

output Output_2 ***** 0.000 0.000*****
input Input_1 1124136356.000-349878071.820 0.000 774258284.180
input Input_2 1370214646.000-426467888.671 0.000 943746757.329
input Input_3 8057949086.000***** 0.0005549979591.031

```

LISTING OF PEERS:

```

peer lambda weight
BCAS 13.649
QIB 13246.295
ALN 9.844

```

Results for BCAS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	23436850.000	0.000	0.000	23436850.000
output Output_2	3247095820.000	0.000	0.000	3247095820.000
input Input_1	40000870.000	0.000	0.000	40000870.000
input Input_2	65056164.000	0.000	0.000	65056164.000
input Input_3	351748553.000	0.000	0.000	351748553.000

LISTING OF PEERS:

```

peer lambda weight
BCAS 1.000

```

Results for BMM:

Technical efficiency = 0.588

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	74492188.000	0.000	260153698.309	334645886.309
output Output_2	*****	0.000	0.000	*****
input Input_1	2485103360.000	*****	0.000	1462037938.990
input Input_2	1059625263.000	-436225705.238	0.000	623399557.762
input Input_3	5651880453.000	*****	0.000	3325118698.049

LISTING OF PEERS:

```

peer lambda weight
BCAS 5.076
ALN 14.461
QIB 76299.973

```

Results for ALB:

Technical efficiency = 0.807

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	788423.000	0.000	0.000	788423.000
output Output_2	42637280.000	0.000	0.000	42637280.000
input Input_1	792084.000	-153203.168	0.000	638880.832
input Input_2	853106.000	-165005.910	0.000	688100.090
input Input_3	42179460.000	-8158259.573	-4161464.481	29859735.945

LISTING OF PEERS:

```

peer lambda weight
ALJ 0.314
ALN 0.195
BCAS 0.004

```

Results for ALN:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	1469976.000	0.000	0.000	1469976.000
output Output_2	74097662.000	0.000	0.000	74097662.000
input Input_1	1326070.000	0.000	0.000	1326070.000
input Input_2	669975.000	0.000	0.000	669975.000
input Input_3	65694524.000	0.000	0.000	65694524.000

LISTING OF PEERS:

```

peer lambda weight

```

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2015
ALN 1.000

Results for ALR:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	7130075.000	0.000	0.000	7130075.000
output Output_2	237128924.000	0.000	0.000	237128924.000
input Input_1	5578931.000	0.000	0.000	5578931.000
input Input_2	2661043.000	0.000	0.000	2661043.000
input Input_3	257821641.000	0.000	0.000	257821641.000

LISTING OF PEERS:

peer lambda weight
ALR 1.000

Results for ALJ:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	1287119.000	0.000	0.000	1287119.000
output Output_2	46555011.000	0.000	0.000	46555011.000
input Input_1	679088.000	0.000	0.000	679088.000
input Input_2	908901.000	0.000	0.000	908901.000
input Input_3	49673599.000	0.000	0.000	49673599.000

LISTING OF PEERS:

peer lambda weight
ALJ 1.000

Results for BLME:

Technical efficiency = 0.580

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	111.000	0.000	6791.072	6902.072
output Output_2	706121.000	0.000	0.000	706121.000
input Input_1	31842.000	-13361.200	0.000	18480.800
input Input_2	19226.000	-8067.409	0.000	11158.591
input Input_3	263022.000	-110366.486	0.000	152655.514

LISTING OF PEERS:

peer lambda weight
BCAS 0.000
QIB 0.725
ALN 0.002

Results for GTH:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	4079.000	0.000	0.000	4079.000
output Output_2	95029.000	0.000	0.000	95029.000
input Input_1	14223.000	0.000	0.000	14223.000
input Input_2	5770.000	0.000	0.000	5770.000
input Input_3	2760.000	0.000	0.000	2760.000

LISTING OF PEERS:

peer lambda weight
GTH 1.000

Results for QIB:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	2548.000	0.000	0.000	2548.000
output Output_2	299627.000	0.000	0.000	299627.000
input Input_1	16249.000	0.000	0.000	16249.000

```

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2015
input   Input_2      3715.000      0.000      0.000      3715.000
input   Input_3      7726.000      0.000      0.000      7726.000
LISTING OF PEERS:
peer    lambda weight
QIB     1.000

```

Results for RSM:
Technical efficiency = 1.000
PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	600.000	0.000	0.000	600.000
output Output_2	40244.000	0.000	0.000	40244.000
input Input_1	174.000	0.000	0.000	174.000
input Input_2	5378.000	0.000	0.000	5378.000
input Input_3	6630.000	0.000	0.000	6630.000

```

LISTING OF PEERS:
peer    lambda weight
RSM     1.000

```

Results for ALRYN:
Technical efficiency = 1.000
PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	1215.000	0.000	0.000	1215.000
output Output_2	82719.000	0.000	0.000	82719.000
input Input_1	261.000	0.000	0.000	261.000
input Input_2	5579.000	0.000	0.000	5579.000
input Input_3	509803.000	0.000	0.000	509803.000

```

LISTING OF PEERS:
peer    lambda weight
ALRYN   1.000

```

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2016
 Results from DEAP Version 2.1

 by Tim Coelli, CEPA
<http://www.uq.edu.au/economics/cepa>

Project: Hasil Olah Data Suhail Eresmair DEAP 2.1 Model CRS
 Model 1: First model

Input orientated DEA

Scale assumption: CRS

Slacks calculated using multi-stage method

EFFICIENCY SUMMARY:

firm	te
BNIS	1.000
BRIS	1.000
BSM	0.767
BCAS	1.000
BMM	0.828
ALB	0.864
ALN	1.000
ALR	1.000
ALJ	0.998
BLME	0.701
GTH	1.000
QIB	1.000
RSM	1.000
ALRYN	1.000

mean 0.940

SUMMARY OF OUTPUT SLACKS:

firm	output:	Output_1	Output_2
BNIS		0.000	0.000
BRIS		0.000	0.000
BSM	*****	0.000	0.000
BCAS		0.000	0.000
BMM	*****	0.000	0.000
ALB		0.000	0.000
ALN		0.000	0.000
ALR		0.000	0.000
ALJ		0.000	0.000
BLME		0.000	0.000
GTH		0.000	0.000
QIB		0.000	0.000
RSM		82.362	0.000
ALRYN		0.000	0.000
mean		35879634.424	0.000

SUMMARY OF INPUT SLACKS:

firm	input:	Input_1	Input_2	Input_3
BNIS		0.000	0.000	0.000
BRIS		0.000	0.000	0.000
BSM		0.000	0.000	0.000
BCAS		0.000	0.000	0.000
BMM	*****	0.000	0.000	0.000
ALB		0.000	0.000	0.000
ALN		0.000	0.000	0.000
ALR		0.000	0.000	0.000
ALJ		0.000	0.000	2343134.866

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2016

BLME	34520.773	0.000	0.000
GTH	0.000	0.000	0.000
QIB	0.000	0.000	0.000
RSM	-68.022	5394.181	-826.546
ALRYN	0.000	0.000	0.000

mean	*****	385.299	167307.737
------	-------	---------	------------

SUMMARY OF PEERS:

firm	peers:
BNIS	BNIS
BRIS	BRIS
BSM	BCAS QIB ALN
BCAS	BCAS
BMM	QIB BCAS
ALB	BRIS ALR ALN ALRYN
ALN	ALN
ALR	ALR
ALJ	ALRYN BRIS ALN
BLME	ALR BCAS QIB
GTH	GTH
QIB	QIB
RSM	BCAS
ALRYN	ALRYN

SUMMARY OF PEER WEIGHTS: (in same order as above)

firm	peer weights:
BNIS	1.000
BRIS	1.000
BSM	13.849*****26.665
BCAS	1.000
BMM	***** 9.704
ALB	0.001 0.037 0.205 4.570
ALN	1.000
ALR	1.000
ALJ	31.407 0.001 0.268
BLME	0.000 0.000 0.965
GTH	1.000
QIB	1.000
RSM	0.000
ALRYN	1.000

PEER COUNT SUMMARY: (i.e., no. times each firm is a peer for another)

firm	peer count:
BNIS	0
BRIS	2
BSM	0
BCAS	4
BMM	0
ALB	0
ALN	3
ALR	2
ALJ	0
BLME	0
GTH	0
QIB	3
RSM	0
ALRYN	2

SUMMARY OF OUTPUT TARGETS:

firm	output:	Output_1	Output_2
BNIS	*****		

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2016

```

BRIS *****
BSM *****
BCAS 36816336.000*****
BMM *****
ALB 809023.00044129231.000
ALN 1502271.00087953728.000
ALR 8125960.000*****
ALJ 871942.00043436473.000
BLME 4315.000 669284.000
GTH 121.000 91820.000
QIB 131.000 397313.000
RSM 331.362 34056.000
ALRYN 10272.000 139454.000
    
```

SUMMARY OF INPUT TARGETS:

```

firm input:      Input_1      Input_2      Input_3
BNIS *****
BRIS *****
BSM *****
BCAS 50724708.00080702642.000*****
BMM *****
ALB 693002.778 779191.98934748174.636
ALN 1456919.000 755347.00080612226.000
ALR 6485162.000 2949886.000*****
ALJ 700050.569 892262.94349140929.741
BLME 19888.319 9392.717 216183.142
GTH 13869.000 6582.000 2637.000
QIB 15827.000 3977.000 132498.000
RSM 412.022 804.819 5006.546
ALRYN 5990.000 7242.000 730713.000
    
```

FIRM BY FIRM RESULTS:

Results for BNIS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	277375000.000	0.000	0.000	277375000.000
output Output_2	*****	0.000	0.000	*****
input Input_1	214585000.000	0.000	0.000	214585000.000
input Input_2	750910000.000	0.000	0.000	750910000.000
input Input_3	4079084000.000	0.000	0.000	4079084000.000

LISTING OF PEERS:

```

peer  lambda weight
BNIS  1.000
    
```

Results for BRIS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	170209000.000	0.000	0.000	170209000.000
output Output_2	*****	0.000	0.000	*****
input Input_1	140816000.000	0.000	0.000	140816000.000
input Input_2	538227000.000	0.000	0.000	538227000.000
input Input_3	5306321000.000	0.000	0.000	5306321000.000

LISTING OF PEERS:

```

peer  lambda weight
BRIS  1.000
    
```

Results for BSM:

Technical efficiency = 0.767

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	325414000.000	0.000	224542245.723	549956245.723

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2016

```

output Output_2 ***** 0.000 0.000*****
input Input_1 973273000.000-226823965.365 0.000 746449034.635
input Input_2 1485175000.000-346124142.724 0.0001139050857.276
input Input_3 9454288000.000***** 0.0007250940024.803

```

LISTING OF PEERS:

```

peer lambda weight
BCAS 13.849
QIB 324.318
ALN 26.665

```

Results for BCAS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	36816336.000	0.000	0.000	36816336.000
output Output_2	3748697355.000	0.000	0.000	3748697355.000
input Input_1	50724708.000	0.000	0.000	50724708.000
input Input_2	80702642.000	0.000	0.000	80702642.000
input Input_3	365264786.000	0.000	0.000	365264786.000

LISTING OF PEERS:

```

peer lambda weight
BCAS 1.000

```

Results for BMM:

Technical efficiency = 0.828

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	80511090.000	0.000	277772553.852	358283643.852
output Output_2	*****	0.000	0.000	*****
input Input_1	2638164741.000-454514704.153	*****	*****	613960208.743
input Input_2	983122105.000-169376629.805	*****	0.000	813745475.195
input Input_3	5513455486.000-949882526.340	*****	0.000	4563572959.660

LISTING OF PEERS:

```

peer lambda weight
QIB 7690.224
BCAS 9.704

```

Results for ALB:

Technical efficiency = 0.864

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	809023.000	0.000	0.000	809023.000
output Output_2	44129231.000	0.000	0.000	44129231.000
input Input_1	802424.000	-109421.222	0.000	693002.778
input Input_2	902222.000	-123030.011	0.000	779191.989
input Input_3	40234715.000	-5486540.364	0.000	34748174.636

LISTING OF PEERS:

```

peer lambda weight
BRIS 0.001
ALR 0.037
ALN 0.205
ALRYN 4.570

```

Results for ALN:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	1502271.000	0.000	0.000	1502271.000
output Output_2	87953728.000	0.000	0.000	87953728.000
input Input_1	1456919.000	0.000	0.000	1456919.000
input Input_2	755347.000	0.000	0.000	755347.000
input Input_3	80612226.000	0.000	0.000	80612226.000

LISTING OF PEERS:

```

peer lambda weight

```

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2016
ALN 1.000

Results for ALR:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	8125960.000	0.000	0.000	8125960.000
output Output_2	251572649.000	0.000	0.000	251572649.000
input Input_1	6485162.000	0.000	0.000	6485162.000
input Input_2	2949886.000	0.000	0.000	2949886.000
input Input_3	272593136.000	0.000	0.000	272593136.000

LISTING OF PEERS:

peer lambda weight
ALR 1.000

Results for ALJ:

Technical efficiency = 0.998

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	871942.000	0.000	0.000	871942.000
output Output_2	43436473.000	0.000	0.000	43436473.000
input Input_1	701659.000	-1608.431	0.000	700050.569
input Input_2	894313.000	-2050.057	0.000	892262.943
input Input_3	51602354.000	-118289.393	-2343134.866	49140929.741

LISTING OF PEERS:

peer lambda weight
ALRYN 31.407
BRIS 0.001
ALN 0.268

Results for BLME:

Technical efficiency = 0.701

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	4315.000	0.000	0.000	4315.000
output Output_2	669284.000	0.000	0.000	669284.000
input Input_1	77651.000	-23241.908	-34520.773	19888.319
input Input_2	13405.000	-4012.283	0.000	9392.717
input Input_3	308530.000	-92346.858	0.000	216183.142

LISTING OF PEERS:

peer lambda weight
ALR 0.000
BCAS 0.000
QIB 0.965

Results for GTH:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	121.000	0.000	0.000	121.000
output Output_2	91820.000	0.000	0.000	91820.000
input Input_1	13869.000	0.000	0.000	13869.000
input Input_2	6582.000	0.000	0.000	6582.000
input Input_3	2637.000	0.000	0.000	2637.000

LISTING OF PEERS:

peer lambda weight
GTH 1.000

Results for QIB:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	131.000	0.000	0.000	131.000

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2016

output	Output_2	397313.000	0.000	0.000	397313.000
input	Input_1	15827.000	0.000	0.000	15827.000
input	Input_2	3977.000	0.000	0.000	3977.000
input	Input_3	132498.000	0.000	0.000	132498.000

LISTING OF PEERS:

peer	lambda weight
QIB	1.000

Results for RSM:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	249.000	0.000	82.362	331.362
output Output_2	34056.000	0.000	0.000	34056.000
input Input_1	344.000	0.000	68.022	412.022
input Input_2	6199.000	0.000	-5394.181	804.819
input Input_3	4180.000	0.000	826.546	5006.546

LISTING OF PEERS:

peer	lambda weight
BCAS	0.000

Results for ALRYN:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	10272.000	0.000	0.000	10272.000
output Output_2	139454.000	0.000	0.000	139454.000
input Input_1	5990.000	0.000	0.000	5990.000
input Input_2	7242.000	0.000	0.000	7242.000
input Input_3	730713.000	0.000	0.000	730713.000

LISTING OF PEERS:

peer	lambda weight
ALRYN	1.000

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2017
 Results from DEAP Version 2.1

 by Tim Coelli, CEPA
<http://www.uq.edu.au/economics/cepa>

Project: Hasil Olah Data Suhail Eresmair DEAP 2.1 Model CRS
 Model 1: First model

Input orientated DEA

Scale assumption: CRS

Slacks calculated using multi-stage method

EFFICIENCY SUMMARY:

firm	te
BNIS	1.000
BRIS	0.996
BSM	1.000
BCAS	1.000
BMM	1.000
ALB	0.896
ALN	1.000
ALR	1.000
ALJ	1.000
BLME	0.548
GTH	1.000
QIB	1.000
RSM	0.730
ALRYN	1.000

mean 0.941

SUMMARY OF OUTPUT SLACKS:

firm	output:	Output_1	Output_2
BNIS		0.000	0.000
BRIS	*****	0.000	0.000
BSM		0.000	0.000
BCAS		0.000	0.000
BMM		0.000	0.000
ALB	58464.256	0.000	0.000
ALN		0.000	0.000
ALR		0.000	0.000
ALJ		0.000	0.000
BLME	2327.713	0.000	0.000
GTH		0.000	0.000
QIB		0.000	0.000
RSM	104.403	0.000	0.000
ALRYN		0.000	0.000
mean	9548719.211	0.000	0.000

SUMMARY OF INPUT SLACKS:

firm	input:	Input_1	Input_2	Input_3
BNIS		0.000	0.000	0.000
BRIS		0.000	0.000*****	0.000
BSM		0.000	0.000	0.000
BCAS		0.000	0.000	0.000
BMM		0.000	0.000	0.000
ALB		0.000	0.000	4357964.153
ALN		0.000	0.000	0.000
ALR		0.000	0.000	0.000
ALJ		0.000	0.000	0.000

	Hasil olah Data	Suhail Eresmair	DEAP 2_1 Model	CSR 2017
BLME	0.000	0.000	0.000	
GTH	0.000	0.000	0.000	
QIB	0.000	0.000	0.000	
RSM	0.000	4471.038	0.000	
ALRYN	0.000	0.000	0.000	

mean 0.000 319.360*****

SUMMARY OF PEERS:

firm	peers:	
BNIS	BNIS	
BRIS	BNIS	ALN
BSM	BSM	
BCAS	BCAS	
BMM	BMM	
ALB	ALN	BNIS
ALN	ALN	
ALR	ALR	
ALJ	ALJ	
BLME	BCAS	QIB
GTH	GTH	
QIB	QIB	
RSM		
ALRYN	ALRYN	

SUMMARY OF PEER WEIGHTS: (in same order as above)

firm	peer weights:	
BNIS	1.000	
BRIS	0.727	5.801
BSM	1.000	
BCAS	1.000	
BMM	1.000	
ALB	0.383	0.001
ALN	1.000	
ALR	1.000	
ALJ	1.000	
BLME	0.000	1.673
GTH	1.000	
QIB	1.000	
RSM		
ALRYN	1.000	

PEER COUNT SUMMARY: (i.e., no. times each firm is a peer for another)

firm	peer count:
BNIS	2
BRIS	0
BSM	0
BCAS	1
BMM	0
ALB	0
ALN	2
ALR	0
ALJ	0
BLME	0
GTH	0
QIB	1
RSM	0
ALRYN	0

SUMMARY OF OUTPUT TARGETS:

firm	output:	Output_1	Output_2
BNIS	*****		

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2017

```

BRIS *****
BSM *****
BCAS 47860237.000*****
BMM 26115563.000*****
ALB 994631.25651153811.000
ALN 2011357.00088851454.000
ALR 9120726.000*****
ALJ 857514.00040159095.000
BLME 3301.713 782204.000
GTH 1573.000 56891.000
QIB 1760.000 428522.000
RSM 239.403 20565.000
ALRYN 9501.000 216058.000
    
```

SUMMARY OF INPUT TARGETS:

```

firm input:      Input_1      Input_2      Input_3
BNIS *****
BRIS *****
BSM *****
BCAS 81353828.00088267781.000*****
BMM *****
ALB 784447.318 854485.59338459246.769
ALN 1607644.000 876009.00089064751.000
ALR 7858127.000 2813918.000*****
ALJ 640928.000 856884.00050278366.000
BLME 28830.309 9125.257 258474.395
GTH 13056.000 5963.000 11514.000
QIB 15354.000 4569.000 148083.000
RSM 225.642 609.182 4999.895
ALRYN 6431.000 9308.000 1222853.000
    
```

FIRM BY FIRM RESULTS:

Results for BNIS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	306686000.000	0.000	0.000	306686000.000
output Output_2	*****	0.000	0.000	*****
input Input_1	230759000.000	0.000	0.000	230759000.000
input Input_2	707690000.000	0.000	0.000	707690000.000
input Input_3	5970787000.000	0.000	0.000	5970787000.000

LISTING OF PEERS:

```

peer  lambda weight
BNIS  1.000
    
```

Results for BRIS:

Technical efficiency = 0.996

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	101091000.000	0.000	133621172.582	234712172.582
output Output_2	*****	0.000	0.000	*****
input Input_1	177935000.000	-784393.999	0.000	177150606.001
input Input_2	522067000.000	-2301437.163	0.000	519765562.837
input Input_3	6518996000.000	-28737805.037	*****	4859048883.659

LISTING OF PEERS:

```

peer  lambda weight
BNIS  0.727
ALN   5.801
    
```

Results for BSM:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
----------	-------------------	--------------------	-------------------	--------------------

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2017

```

output Output_1 365166000.000 0.000 0.000 365166000.000
output Output_2 ***** 0.000 0.000*****
input Input_1 881504000.000 0.000 0.000 881504000.000
input Input_2 1599262000.000 0.000 0.0001599262000.000
input Input_3 ***** 0.000 0.000*****

```

LISTING OF PEERS:

```

peer lambda weight
BSM 1.000

```

Results for BCAS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	47860237.000	0.000	0.000	47860237.000
output Output_2	3738841923.000	0.000	0.000	3738841923.000
input Input_1	81353828.000	0.000	0.000	81353828.000
input Input_2	88267781.000	0.000	0.000	88267781.000
input Input_3	660195962.000	0.000	0.000	660195962.000

LISTING OF PEERS:

```

peer lambda weight
BCAS 1.000

```

Results for BMM:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	26115563.000	0.000	0.000	26115563.000
output Output_2	*****	0.000	0.000	*****
input Input_1	2653438931.000	0.000	0.000	2653438931.000
input Input_2	893894813.000	0.000	0.000	893894813.000
input Input_3	6349267739.000	0.000	0.000	6349267739.000

LISTING OF PEERS:

```

peer lambda weight
BMM 1.000

```

Results for ALB:

Technical efficiency = 0.896

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	936167.000	0.000	58464.256	994631.256
output Output_2	51153811.000	0.000	0.000	51153811.000
input Input_1	875424.000	-90976.682	0.000	784447.318
input Input_2	953585.000	-99099.407	0.000	854485.593
input Input_3	47782959.000	-4965748.078	-4357964.153	38459246.769

LISTING OF PEERS:

```

peer lambda weight
ALN 0.383
BNIS 0.001

```

Results for ALN:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	2011357.000	0.000	0.000	2011357.000
output Output_2	88851454.000	0.000	0.000	88851454.000
input Input_1	1607644.000	0.000	0.000	1607644.000
input Input_2	876009.000	0.000	0.000	876009.000
input Input_3	89064751.000	0.000	0.000	89064751.000

LISTING OF PEERS:

```

peer lambda weight
ALN 1.000

```

Results for ALR:

Technical efficiency = 1.000

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2017

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	9120726.000	0.000	0.000	9120726.000
output Output_2	244245368.000	0.000	0.000	244245368.000
input Input_1	7858127.000	0.000	0.000	7858127.000
input Input_2	2813918.000	0.000	0.000	2813918.000
input Input_3	273056445.000	0.000	0.000	273056445.000

LISTING OF PEERS:

peer lambda weight
ALR 1.000

Results for ALJ:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	857514.000	0.000	0.000	857514.000
output Output_2	40159095.000	0.000	0.000	40159095.000
input Input_1	640928.000	0.000	0.000	640928.000
input Input_2	856884.000	0.000	0.000	856884.000
input Input_3	50278366.000	0.000	0.000	50278366.000

LISTING OF PEERS:

peer lambda weight
ALJ 1.000

Results for BLME:

Technical efficiency = 0.548

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	974.000	0.000	2327.713	3301.713
output Output_2	782204.000	0.000	0.000	782204.000
input Input_1	52585.000	-23754.691	0.000	28830.309
input Input_2	16644.000	-7518.743	0.000	9125.257
input Input_3	471444.000	-212969.605	0.000	258474.395

LISTING OF PEERS:

peer lambda weight
BCAS 0.000
QIB 1.673

Results for GTH:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	1573.000	0.000	0.000	1573.000
output Output_2	56891.000	0.000	0.000	56891.000
input Input_1	13056.000	0.000	0.000	13056.000
input Input_2	5963.000	0.000	0.000	5963.000
input Input_3	11514.000	0.000	0.000	11514.000

LISTING OF PEERS:

peer lambda weight
GTH 1.000

Results for QIB:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	1760.000	0.000	0.000	1760.000
output Output_2	428522.000	0.000	0.000	428522.000
input Input_1	15354.000	0.000	0.000	15354.000
input Input_2	4569.000	0.000	0.000	4569.000
input Input_3	148083.000	0.000	0.000	148083.000

LISTING OF PEERS:

peer lambda weight
QIB 1.000

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2017

Results for RSM:

Technical efficiency = 0.730

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	135.000	0.000	104.403	239.403
output Output_2	20565.000	0.000	0.000	20565.000
input Input_1	309.000	-83.358	0.000	225.642
input Input_2	6957.000	-1876.780	-4471.038	609.182
input Input_3	6847.000	-1847.105	0.000	4999.895

LISTING OF PEERS:

peer lambda weight

Results for firm: 14

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output 1	9501.000	0.000	0.000	9501.000
output 2	216058.000	0.000	0.000	216058.000
input 1	6431.000	0.000	0.000	6431.000
input 2	9308.000	0.000	0.000	9308.000
input 3	1222853.000	0.000	0.000	1222853.000

LISTING OF PEERS:

peer lambda weight

ALRYN 1.000

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2018
 Results from DEAP Version 2.1

 by Tim Coelli, CEPA
<http://www.uq.edu.au/economics/cepa>

Project: Hasil Olah Data Suhail Eresmair DEAP 2.1 Model CRS
 Model 1: First model

Input orientated DEA

Scale assumption: CRS

Slacks calculated using multi-stage method
 Unbounded objective function

EFFICIENCY SUMMARY:

firm	te
BNIS	1.000
BRIS	1.000
BSM	1.000
BCAS	1.000
BMM	0.680
ALB	0.823
ALN	1.000
ALR	0.875
ALJ	0.944
BLME	0.460
GTH	0.133
QIB	1.000
RSM	0.772
ALRYN	0.808

mean 0.821

SUMMARY OF OUTPUT SLACKS:

firm	output:	Output_1	Output_2
BNIS		0.000	0.000
BRIS		0.000	0.000
BSM		0.000	0.000
BCAS		0.000	0.000
BMM	*****		0.000
ALB	766954.981		-2067.915
ALN		0.000	0.000
ALR		0.000	0.000
ALJ	244532.962		0.000
BLME	5034.105		0.000
GTH	116.804		0.000
QIB		0.000	0.000
RSM		0.000	0.000
ALRYN		0.000	50538.845
mean	22329554.848		3462.209

SUMMARY OF INPUT SLACKS:

firm	input:	Input_1	Input_2	Input_3
BNIS		0.000	0.000	0.000
BRIS		0.000	0.000	0.000
BSM		0.000	0.000	0.000
BCAS		0.000	0.000	0.000
BMM	*****	73222038.658		0.000
ALB		0.000	0.000	0.000
ALN		0.000	0.000	0.000
ALR	866970.912		0.000*****	

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2018

ALJ	0.000	0.000	23158232.438
BLME	2454.060	0.000	0.000
GTH	548.248	0.000	0.000
QIB	0.000	0.000	0.000
RSM	0.000	5703.161	0.000
ALRYN	0.000	7683.528	1017457.204

mean ***** 5231101.81110561614.304

SUMMARY OF PEERS:

firm	peers:
BNIS	BNIS
BRIS	BRIS
BSM	BSM
BCAS	BCAS
BMM	BCAS
ALB	BRIS BCAS ALN
ALN	ALN
ALR	ALN QIB
ALJ	BRIS ALN
BLME	BCAS QIB
GTH	QIB BCAS
QIB	QIB
RSM	
ALRYN	ALN

SUMMARY OF PEER WEIGHTS: (in same order as above)

firm	peer weights:
BNIS	1.000
BRIS	1.000
BSM	1.000
BCAS	1.000
BMM	6.127
ALB	0.001 0.000 0.447
ALN	1.000
ALR	0.855*****
ALJ	0.001 0.168
BLME	0.000 0.746
GTH	0.018 0.000
QIB	1.000
RSM	
ALRYN	0.003

PEER COUNT SUMMARY: (i.e., no. times each firm is a peer for another)

firm	peer count:
BNIS	0
BRIS	2
BSM	0
BCAS	4
BMM	0
ALB	0
ALN	4
ALR	0
ALJ	0
BLME	0
GTH	0
QIB	3
RSM	0
ALRYN	0

SUMMARY OF OUTPUT TARGETS:

firm	output:	Output_1	Output_2
------	---------	----------	----------

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2018

```

BNIS *****
BRIS *****
BSM *****
BCAS 58367069.000*****
BMM *****
ALB 1379647.98158920331.085
ALN 2856951.00092182356.000
ALR 3767953.000*****
ALJ 622808.96242194640.000
BLME 5391.105 629074.000
GTH 490.804 48564.000
QIB 3713.000 518870.000
RSM 236.000 4931.000
ALRYN 8620.000 278132.845
    
```

SUMMARY OF INPUT TARGETS:

```

firm input:      Input_1      Input_2      Input_3
BNIS *****
BRIS *****
BSM *****
BCAS *****92148860.000*****
BMM *****
ALB 943505.087 865770.36647038024.019
ALN 1635884.000 939583.00090128138.000
ALR 6698594.671 2457394.114*****
ALJ 572933.912 846428.10525740688.178
BLME 16738.905 7593.155 147777.829
GTH 1187.427 752.157 7757.194
QIB 14837.000 4631.000 157790.000
RSM 210.821 524.944 4910.666
ALRYN 4935.793 2834.912 271934.853
    
```

FIRM BY FIRM RESULTS:

Results for BNIS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	416080000.000	0.000	0.000	416080000.000
output Output_2	*****	0.000	0.000	*****
input Input_1	347505000.000	0.000	0.000	347505000.000
input Input_2	937794000.000	0.000	0.000	937794000.000
input Input_3	8835445000.000	0.000	0.000	8835445000.000

LISTING OF PEERS:

```

peer  lambda weight
BNIS  1.000
    
```

Results for BRIS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	106600000.000	0.000	0.000	106600000.000
output Output_2	*****	0.000	0.000	*****
input Input_1	221444000.000	0.000	0.000	221444000.000
input Input_2	510828000.000	0.000	0.000	510828000.000
input Input_3	7881047000.000	0.000	0.000	7881047000.000

LISTING OF PEERS:

```

peer  lambda weight
BRIS  1.000
    
```

Results for BSM:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
----------	-------------------	--------------------	-------------------	--------------------

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2018

```

output Output_1 605213000.000 0.000 0.000 605213000.000
output Output_2 ***** 0.000 0.000*****
input Input_1 984630000.000 0.000 0.000 984630000.000
input Input_2 1805975000.000 0.000 0.0001805975000.000
input Input_3 ***** 0.000 0.000*****

```

LISTING OF PEERS:

```

peer lambda weight
BSM 1.000

```

Results for BCAS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	58367069.000	0.000	0.000	58367069.000
output Output_2	5388975299.000	0.000	0.000	5388975299.000
input Input_1	126280728.000	0.000	0.000	126280728.000
input Input_2	92148860.000	0.000	0.000	92148860.000
input Input_3	669738613.000	0.000	0.000	669738613.000

LISTING OF PEERS:

```

peer lambda weight
BCAS 1.000

```

Results for BMM:

Technical efficiency = 0.680

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	46002044.000	0.000	311597129.015	357599173.015
output Output_2	*****	0.000	0.000	*****
input Input_1	3357284040.000	*****	*****	773687709.083
input Input_2	937288996.000	-299495929.623	-73222038.658	564571027.718
input Input_3	6030144009.000	*****	0.000	4103306509.099

LISTING OF PEERS:

```

peer lambda weight
BCAS 6.127

```

Results for ALB:

Technical efficiency = 0.823

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	612693.000	0.000	766954.981	1379647.981
output Output_2	58922399.000	0.000	-2067.915	58920331.085
input Input_1	1146848.000	-203342.913	0.000	943505.087
input Input_2	1052360.000	-186589.634	0.000	865770.366
input Input_3	57175594.000	-10137569.981	0.000	47038024.019

LISTING OF PEERS:

```

peer lambda weight
BRIS 0.001
BCAS 0.000
ALN 0.447

```

Results for ALN:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	2856951.000	0.000	0.000	2856951.000
output Output_2	92182356.000	0.000	0.000	92182356.000
input Input_1	1635884.000	0.000	0.000	1635884.000
input Input_2	939583.000	0.000	0.000	939583.000
input Input_3	90128138.000	0.000	0.000	90128138.000

LISTING OF PEERS:

```

peer lambda weight
ALN 1.000

```

Results for ALR:

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2018

Technical efficiency = 0.875

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	3767953.000	0.000	0.000	3767953.000
output Output_2	264145966.000	0.000	0.000	264145966.000
input Input_1	8649435.000	-1083869.417	-866970.912	6698594.671
input Input_2	2809449.000	-352054.886	0.000	2457394.114
input Input_3	293909125.000	-36830048.670	-123686910.613	133392165.717

LISTING OF PEERS:

peer	lambda weight
ALN	0.855
QIB	357.257

Results for ALJ:

Technical efficiency = 0.944

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	378276.000	0.000	244532.962	622808.962
output Output_2	42194640.000	0.000	0.000	42194640.000
input Input_1	606973.000	-34039.088	0.000	572933.912
input Input_2	896716.000	-50287.895	0.000	846428.105
input Input_3	51804098.000	-2905177.384	-23158232.438	25740688.178

LISTING OF PEERS:

peer	lambda weight
BRIS	0.001
ALN	0.168

Results for BLME:

Technical efficiency = 0.460

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	357.000	0.000	5034.105	5391.105
output Output_2	629074.000	0.000	0.000	629074.000
input Input_1	41752.000	-22559.035	-2454.060	16738.905
input Input_2	16518.000	-8924.845	0.000	7593.155
input Input_3	321473.000	-173695.171	0.000	147777.829

LISTING OF PEERS:

peer	lambda weight
BCAS	0.000
QIB	0.746

Results for GTH:

Technical efficiency = 0.133

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	374.000	0.000	116.804	490.804
output Output_2	48564.000	0.000	0.000	48564.000
input Input_1	13031.000	-11295.325	-548.248	1187.427
input Input_2	5647.000	-4894.843	0.000	752.157
input Input_3	58239.000	-50481.806	0.000	7757.194

LISTING OF PEERS:

peer	lambda weight
QIB	0.018
BCAS	0.000

Results for QIB:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	3713.000	0.000	0.000	3713.000
output Output_2	518870.000	0.000	0.000	518870.000
input Input_1	14837.000	0.000	0.000	14837.000
input Input_2	4631.000	0.000	0.000	4631.000

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2018

input	Input_3	157790.000	0.000	0.000	157790.000
-------	---------	------------	-------	-------	------------

LISTING OF PEERS:

peer	lambda weight
QIB	1.000

Results for RSM:

Technical efficiency = 0.772

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	236.000	0.000	0.000	236.000
output Output_2	4931.000	0.000	0.000	4931.000
input Input_1	273.000	-62.179	0.000	210.821
input Input_2	8065.000	-1836.894	-5703.161	524.944
input Input_3	6359.000	-1448.334	0.000	4910.666

LISTING OF PEERS:

peer	lambda weight
------	---------------

Results for firm: 14

Technical efficiency = 0.808

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output 1	8620.000	0.000	0.000	8620.000
output 2	227594.000	0.000	50538.845	278132.845
input 1	6112.000	-1176.207	0.000	4935.793
input 2	13025.000	-2506.559	-7683.528	2834.912
input 3	1596656.000	-307263.943	-1017457.204	271934.853

LISTING OF PEERS:

peer	lambda weight
ALN	0.003

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2019
 Results from DEAP Version 2.1

 by Tim Coelli, CEPA
<http://www.uq.edu.au/economics/cepa>

Project: Hasil Olah Data Suhail Eresmair DEAP 2.1 Model CRS
 Model 1: First model

Input orientated DEA

Scale assumption: CRS

Slacks calculated using multi-stage method
 Unbounded objective function
 Unbounded objective function
 Unbounded objective function

EFFICIENCY SUMMARY:

firm	te
BNIS	1.000
BRIS	1.000
BSM	1.000
BCAS	1.000
BMM	0.932
ALB	0.709
ALN	1.000
ALR	1.000
ALJ	0.893
BLME	0.635
GTH	0.266
QIB	1.000
RSM	1.000
ALRYN	0.874

mean 0.879

SUMMARY OF OUTPUT SLACKS:

firm	output:	Output_1	Output_2
BNIS		0.000	0.000
BRIS		0.000	0.000
BSM		0.000	0.000
BCAS		0.000	0.000
BMM	*****		0.000
ALB		0.000	0.000
ALN		0.000	0.000
ALR		0.000	0.000
ALJ		0.000	0.000
BLME		0.000	0.000
GTH		0.000	0.000
QIB		0.000	0.000
RSM		0.000	0.000
ALRYN		0.000	181423.258

mean 34108271.119 12958.804

SUMMARY OF INPUT SLACKS:

firm	input:	Input_1	Input_2	Input_3
BNIS		0.000	0.000	0.000
BRIS		0.000	0.000	0.000
BSM		0.000	0.000	0.000
BCAS		0.000	0.000	0.000
BMM	*****		0.000	0.000
ALB		0.000	0.000	0.000

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2019

ALN	0.000	0.000	0.000
ALR	0.000	0.000	0.000
ALJ	0.000	0.000	16785720.553
BLME	1341.208	0.000	0.000
GTH	1914.461	0.000	0.000
QIB	0.000	0.000	0.000
RSM	25.137	5568.350	-998.055
ALRYN	0.000	3879.331	1224954.134

mean ***** 674.834 1286405.474

SUMMARY OF PEERS:

firm	peers:			
BNIS	BNIS			
BRIS	BRIS			
BSM	BSM			
BCAS	BCAS			
BMM	BCAS	BSM		
ALB	ALN	QIB	BSM	BRIS
ALN	ALN			
ALR	ALR			
ALJ	ALN	BRIS	BNIS	
BLME	BCAS			
GTH	BCAS			
QIB	QIB			
RSM				
ALRYN	BNIS			

SUMMARY OF PEER WEIGHTS: (in same order as above)

firm	peer weights:			
BNIS	1.000			
BRIS	1.000			
BSM	1.000			
BCAS	1.000			
BMM	0.182	0.378		
ALB	0.397	23.040	0.000	0.000
ALN	1.000			
ALR	1.000			
ALJ	0.311	0.000	0.000	
BLME	0.000			
GTH	0.000			
QIB	1.000			
RSM				
ALRYN	0.000			

PEER COUNT SUMMARY: (i.e., no. times each firm is a peer for another)

firm	peer count:	
BNIS	2	
BRIS	2	
BSM	2	
BCAS	3	
BMM	0	
ALB	0	
ALN	2	
ALR	0	
ALJ	0	
BLME	0	
GTH	0	
QIB	1	
RSM	0	
ALRYN	0	

SUMMARY OF OUTPUT TARGETS:

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2019

firm output:	Output_1	Output_2
BNIS	*****	*****
BRIS	74016000.000	*****
BSM	*****	*****
BCAS	67194000.000	*****
BMM	*****	*****
ALB	1243740.000	63404287.000
ALN	2534810.000	96945667.000
ALR	10158527.000	*****
ALJ	991023.000	51089123.000
BLME	135.000	573989.000
GTH	134.000	87104.000
QIB	4427.000	571245.000
RSM	291.000	1745.000
ALRYN	6430.000	350728.258

SUMMARY OF INPUT TARGETS:

firm input:	Input_1	Input_2	Input_3
BNIS	*****	*****	*****
BRIS	*****	*****	*****
BSM	*****	*****	*****
BCAS	*****	96516000.000	*****
BMM	*****	*****	*****
ALB	1323723.281	813375.350	47377226.596
ALN	2125088.000	1001641.000	*****
ALR	10407247.000	2794046.000	*****
ALJ	895195.289	865220.344	39223486.883
BLME	15106.215	9930.471	135857.082
GTH	1524.938	2197.594	19529.609
QIB	14434.000	4876.000	158005.000
RSM	255.863	475.650	3797.055
ALRYN	4983.574	10790.012	127292.408

FIRM BY FIRM RESULTS:

Results for BNIS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	603153000.000	0.000	0.000	603153000.000
output Output_2	*****	0.000	0.000	*****
input Input_1	467474000.000	0.000	0.000	467474000.000
input Input_2	1012135000.000	0.000	0.000	1012135000.000
input Input_3	*****	0.000	0.000	*****

LISTING OF PEERS:

peer	lambda weight
BNIS	1.000

Results for BRIS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	74016000.000	0.000	0.000	74016000.000
output Output_2	*****	0.000	0.000	*****
input Input_1	224050000.000	0.000	0.000	224050000.000
input Input_2	583292000.000	0.000	0.000	583292000.000
input Input_3	8981586000.000	0.000	0.000	8981586000.000

LISTING OF PEERS:

peer	lambda weight
BRIS	1.000

Results for BSM:

Technical efficiency = 1.000

PROJECTION SUMMARY:

Hasil olah Data Suhail Eresmair DEAP 2_1 Model CSR 2019					
variable		original value	radial movement	slack movement	projected value
output	Output_1	1275034000.000	0.000	0.000	1275034000.000
output	Output_2	*****	0.000	0.000	*****
input	Input_1	1121079000.000	0.000	0.000	1121079000.000
input	Input_2	2084091000.000	0.000	0.000	2084091000.000
input	Input_3	*****	0.000	0.000	*****

LISTING OF PEERS:

peer lambda weight
BSM 1.000

Results for BCAS:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	Output_1	67194000.000	0.000	0.000	67194000.000
output	Output_2	5600658000.000	0.000	0.000	5600658000.000
input	Input_1	147820000.000	0.000	0.000	147820000.000
input	Input_2	96516000.000	0.000	0.000	96516000.000
input	Input_3	1326214000.000	0.000	0.000	1326214000.000

LISTING OF PEERS:

peer lambda weight
BCAS 1.000

Results for BMM:

Technical efficiency = 0.932

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	Output_1	16326331.000	0.000	477515795.663	493842126.663
output	Output_2	*****	0.000	0.000	*****
input	Input_1	3131870759.000	-213757585.221	*****	450389680.604
input	Input_2	863727670.000	-58951455.930	0.000	804776214.070
input	Input_3	7003756176.000	-478022920.759	0.000	6525733255.241

LISTING OF PEERS:

peer lambda weight
BCAS 0.182
BSM 0.378

Results for ALB:

Technical efficiency = 0.709

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	Output_1	1243740.000	0.000	0.000	1243740.000
output	Output_2	63404287.000	0.000	0.000	63404287.000
input	Input_1	1866329.000	-542605.719	0.000	1323723.281
input	Input_2	1146785.000	-333409.650	0.000	813375.350
input	Input_3	66797565.000	-19420338.404	0.000	47377226.596

LISTING OF PEERS:

peer lambda weight
ALN 0.397
QIB 23.040
BSM 0.000
BRIS 0.000

Results for ALN:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable		original value	radial movement	slack movement	projected value
output	Output_1	2534810.000	0.000	0.000	2534810.000
output	Output_2	96945667.000	0.000	0.000	96945667.000
input	Input_1	2125088.000	0.000	0.000	2125088.000
input	Input_2	1001641.000	0.000	0.000	1001641.000
input	Input_3	102062835.000	0.000	0.000	102062835.000

LISTING OF PEERS:

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2019

peer lambda weight
ALN 1.000

Results for ALR:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	10158527.000	0.000	0.000	10158527.000
output Output_2	281740987.000	0.000	0.000	281740987.000
input Input_1	10407247.000	0.000	0.000	10407247.000
input Input_2	2794046.000	0.000	0.000	2794046.000
input Input_3	312405823.000	0.000	0.000	312405823.000

LISTING OF PEERS:

peer lambda weight
ALR 1.000

Results for ALJ:

Technical efficiency = 0.893

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	991023.000	0.000	0.000	991023.000
output Output_2	51089123.000	0.000	0.000	51089123.000
input Input_1	1002083.000	-106887.711	0.000	895195.289
input Input_2	968529.000	-103308.656	0.000	865220.344
input Input_3	62696794.000	-6687586.564	-16785720.553	39223486.883

LISTING OF PEERS:

peer lambda weight
ALN 0.311
BRIS 0.000
BNIS 0.000

Results for BLME:

Technical efficiency = 0.635

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	135.000	0.000	0.000	135.000
output Output_2	573989.000	0.000	0.000	573989.000
input Input_1	25884.000	-9436.578	-1341.208	15106.215
input Input_2	15628.000	-5697.529	0.000	9930.471
input Input_3	213804.000	-77946.918	0.000	135857.082

LISTING OF PEERS:

peer lambda weight
BCAS 0.000

Results for GTH:

Technical efficiency = 0.266

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	134.000	0.000	0.000	134.000
output Output_2	87104.000	0.000	0.000	87104.000
input Input_1	12915.000	-9475.601	-1914.461	1524.938
input Input_2	8252.000	-6054.406	0.000	2197.594
input Input_3	73334.000	-53804.391	0.000	19529.609

LISTING OF PEERS:

peer lambda weight
BCAS 0.000

Results for QIB:

Technical efficiency = 1.000

PROJECTION SUMMARY:

variable	original value	radial movement	slack movement	projected value
output Output_1	4427.000	0.000	0.000	4427.000
output Output_2	571245.000	0.000	0.000	571245.000

```

Hasil Olah Data Suhail Eresmair DEAP 2_1 Model CSR 2019
input   Input_1      14434.000      0.000      0.000      14434.000
input   Input_2      4876.000      0.000      0.000      4876.000
input   Input_3      158005.000      0.000      0.000      158005.000
LISTING OF PEERS:
peer    lambda weight
QIB     1.000

```

Results for RSM:
Technical efficiency = 1.000

```

PROJECTION SUMMARY:
variable      original      radial      slack      projected
               value      movement      movement      value
output Output_1      291.000      0.000      0.000      291.000
output Output_2      1745.000      0.000      0.000      1745.000
input  Input_1      281.000      0.000      -25.137      255.863
input  Input_2      6044.000      0.000      -5568.350      475.650
input  Input_3      2799.000      0.000      998.055      3797.055
LISTING OF PEERS:
peer    lambda weight

```

Results for firm: 14
Technical efficiency = 0.874

```

PROJECTION SUMMARY:
variable      original      radial      slack      projected
               value      movement      movement      value
output      1      6430.000      0.000      0.000      6430.000
output      2      169305.000      0.000      181423.258      350728.258
input       1      5703.000      -719.426      0.000      4983.574
input       2      16787.000      -2117.657      -3879.331      10790.012
input       3      1547456.000      -195209.458      -1224954.134      127292.408
LISTING OF PEERS:
peer    lambda weight
BNIS    0.000

```