

4. Efficiency Change

2 Productivity example

1. You are given the following data set, which you are asked to use to estimate: a) the output based productivity change and its components
b) the input based productivity change and its components for each observation using OnFront.

period 1

k	y_1	y_2	x_1	x_2
A	3	3	2	1
B	2	1	2	2
C	3	0	2	2
D	1	2	2	1
E	4	3	3	1
F	3	2	2	3

period 2

k	y_1	y_2	x_1	x_2
A	4	4	2	2
B	2	1	2	2
C	5	0	2	3
D	2	3	2	2
E	3	2	3	1
F	3	3	2	2

period 3

k	y_1	y_2	x_1	x_2
A	5	4	2	2
B	1	1	2	2
C	6	2	2	3
D	2	3	1	1
E	4	3	2	2
F	3	3	2	2

2. Describe your results in words.

3. Plot your results using the attached directions. Describe in words.