

## Spatial segmentation for file:

### Uploaded Composite Dataset (analyze75)

properties	values
Number of mz features	3672
Range of mz values [Da]	1199.47 – 1356.08
Number of pixels	9
Range of x coordinates	1 – 3
Range of y coordinates	1 – 3
Range of intensities	3 – 84
Median of intensities	9
Intensities > 0	100 %
Number of zero TICs	0
Preprocessing	
Normalization	FALSE
Smoothing	FALSE
Baseline reduction	FALSE
Peak picking	FALSE
Centroided	FALSE

# K-means clustering

1



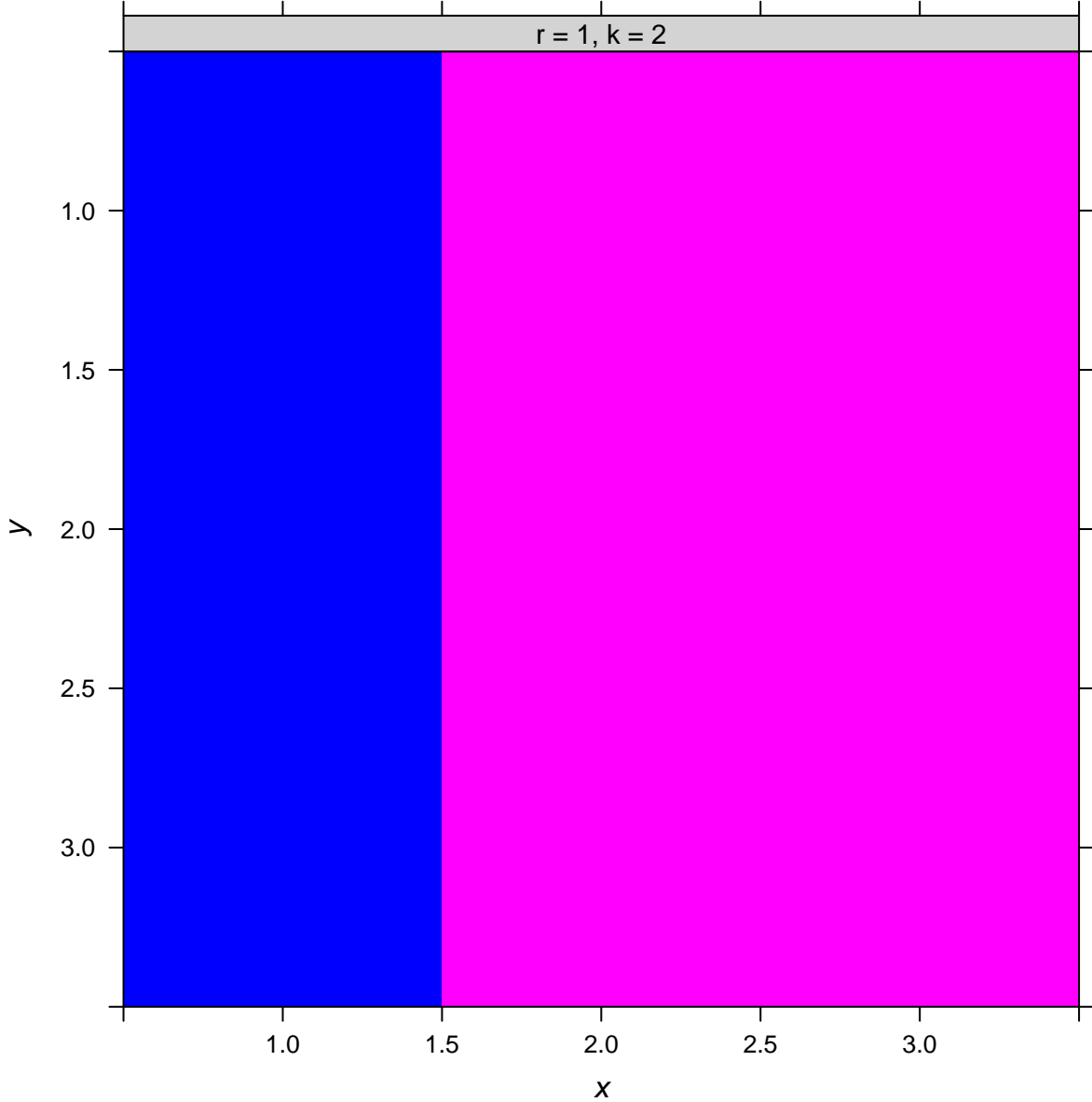
2



3



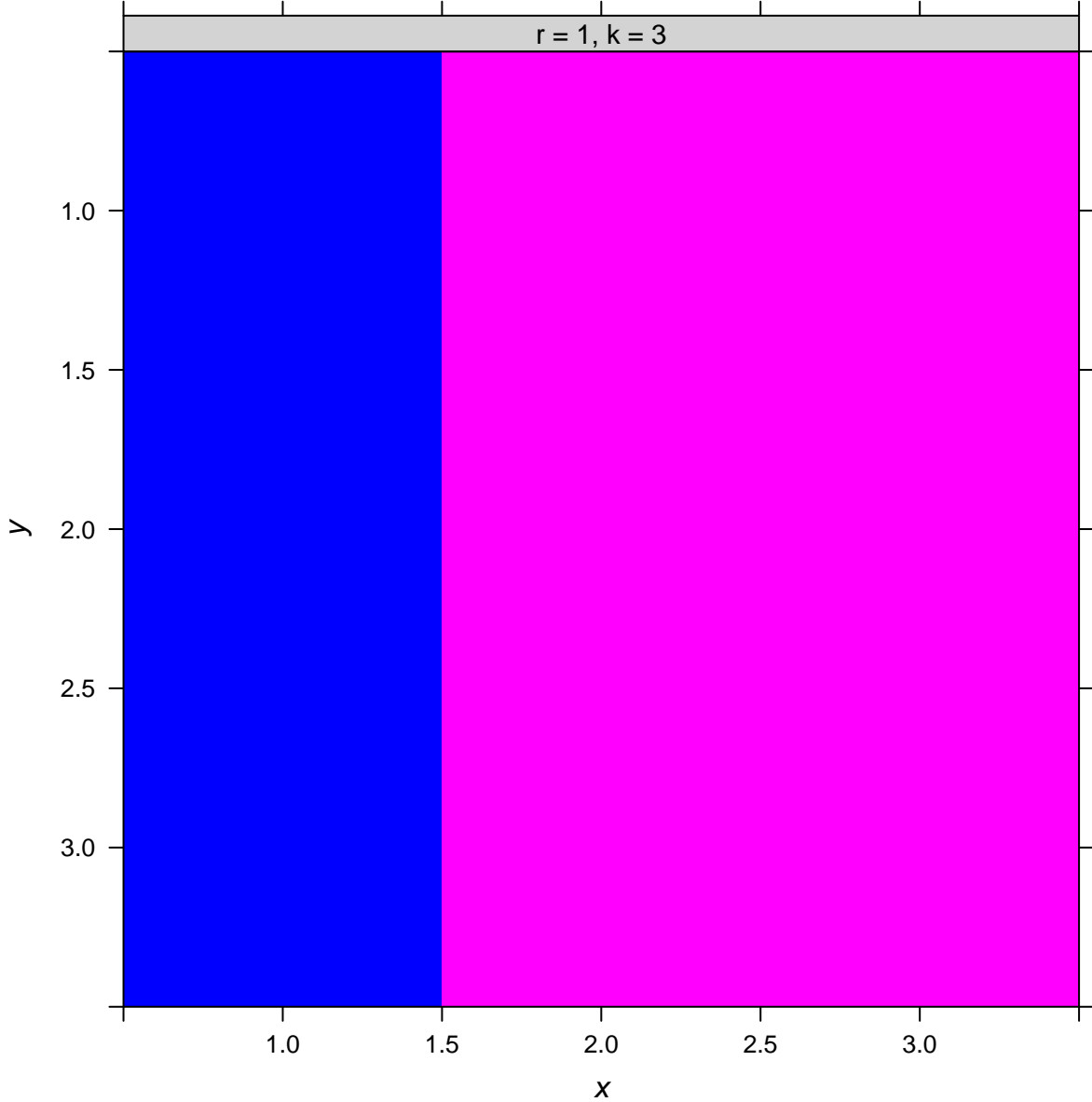
$r = 1, k = 2$



# K-means clustering

1  2  3 

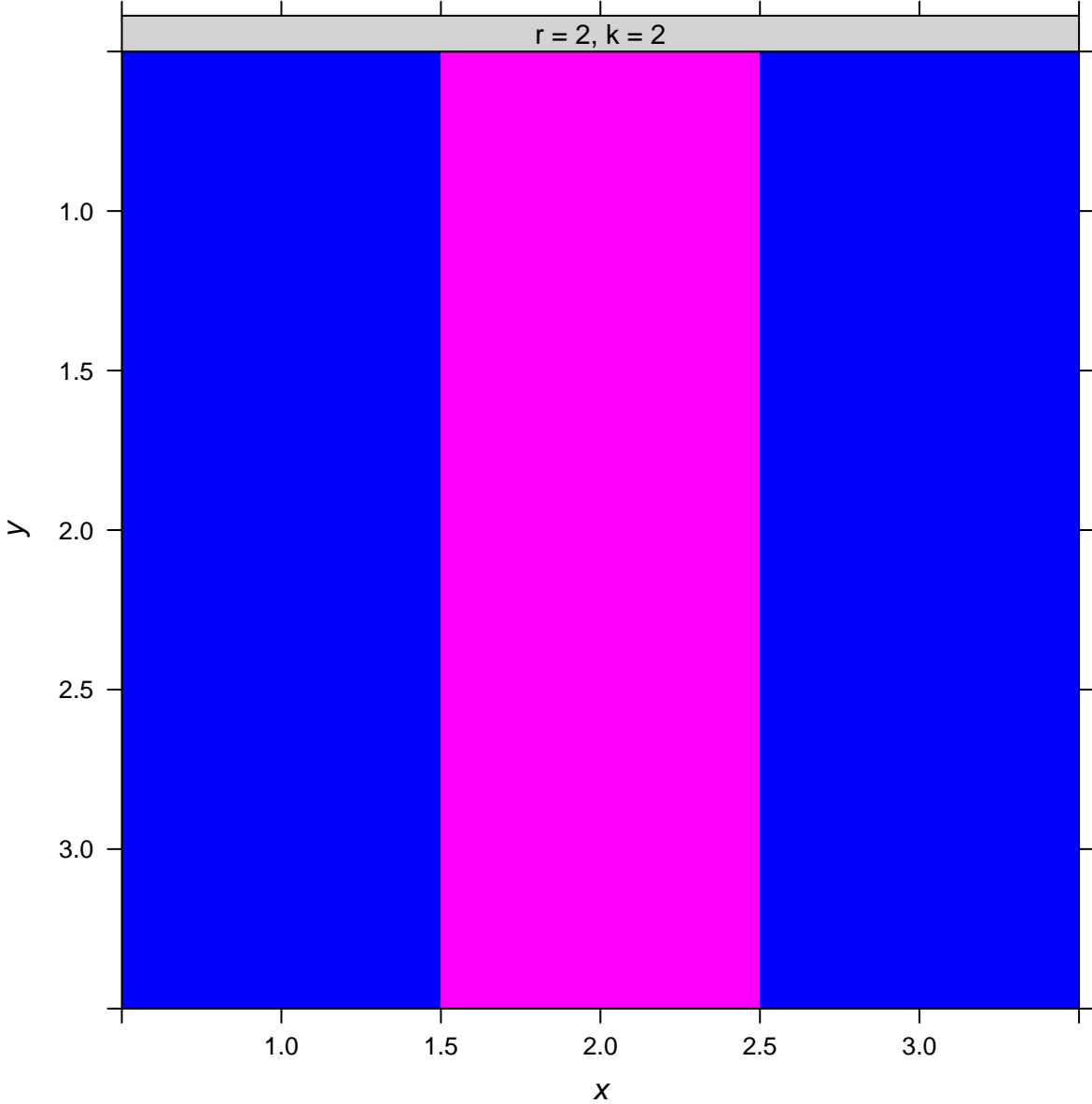
$r = 1, k = 3$



# K-means clustering

1  2  3 

$r = 2, k = 2$



# K-means clustering

1



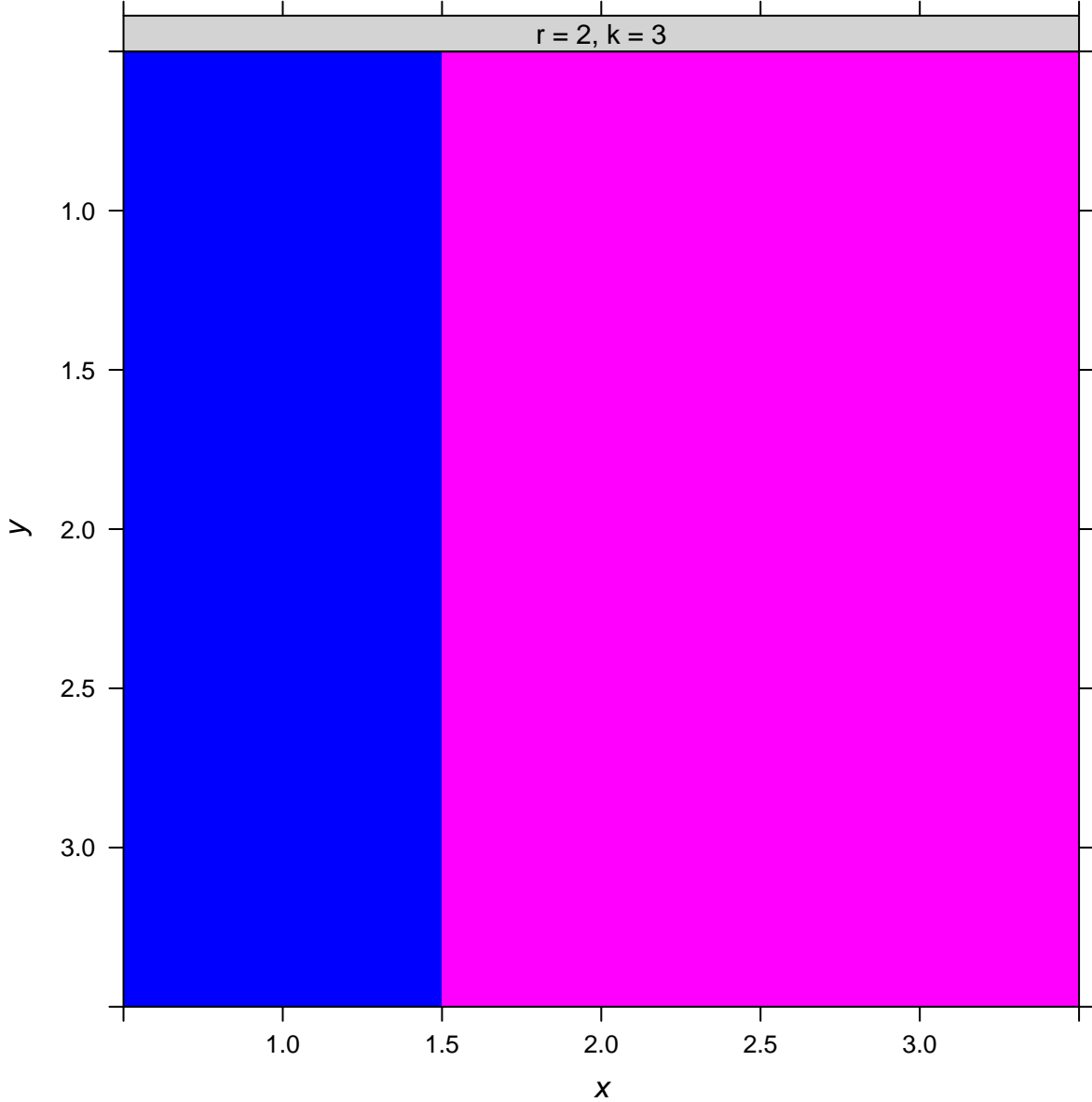
2



3



$r = 2, k = 3$



# K-means clustering

1



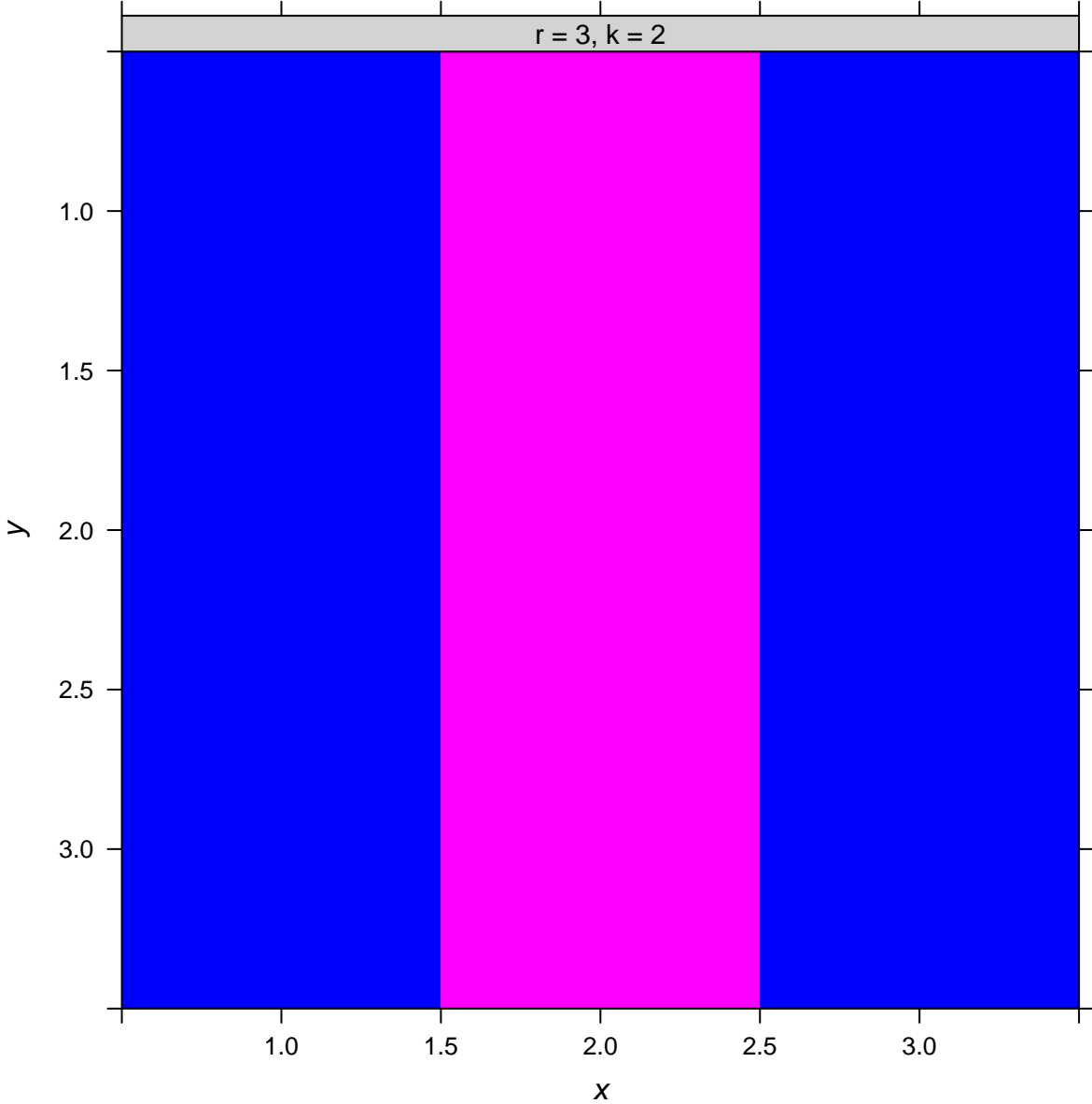
2



3



$r = 3, k = 2$



# K-means clustering

1



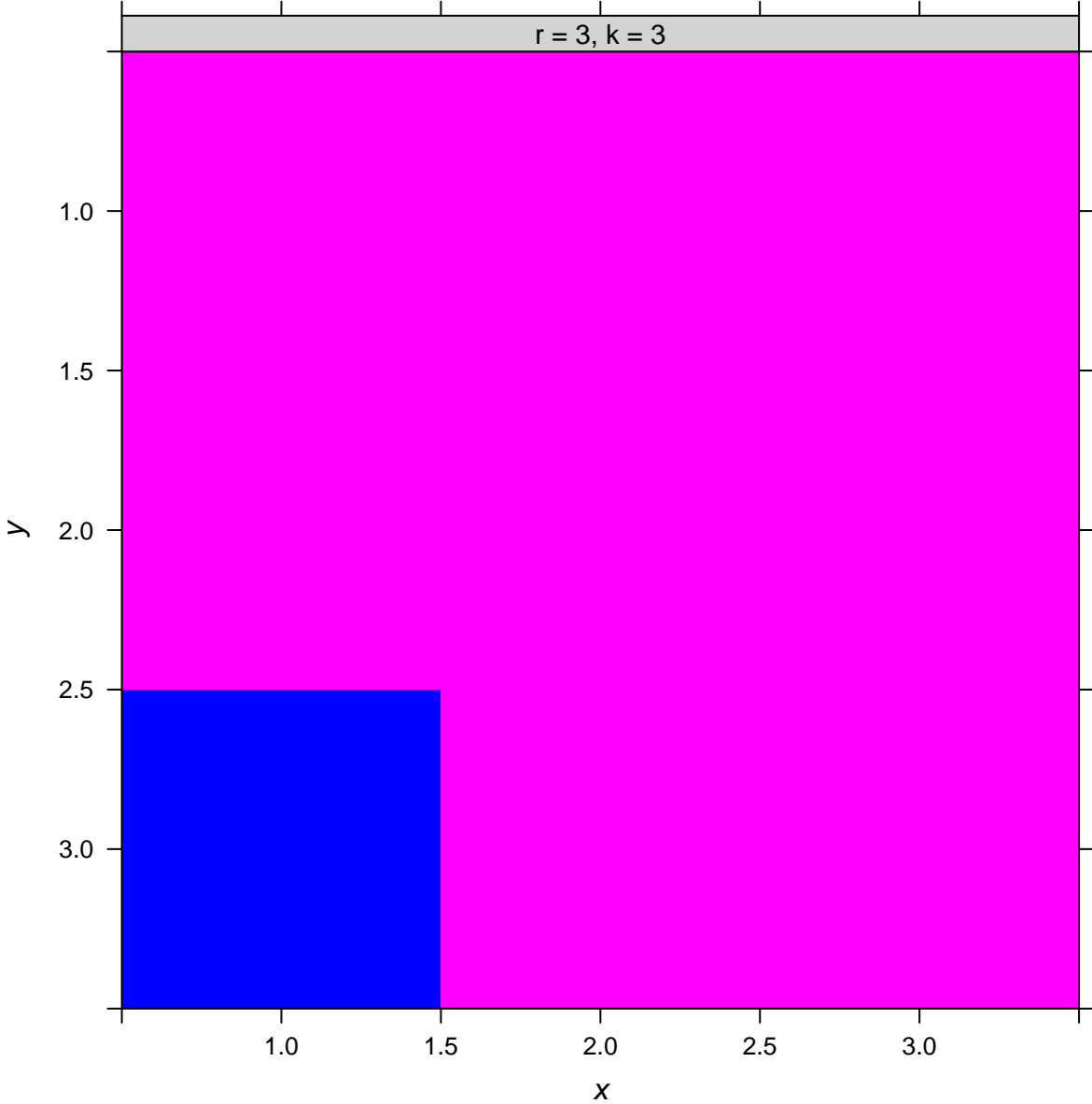
2



3



$r = 3, k = 3$



# K-means plot

1



2



3



$r = 1, k = 2$

80

60

40

20

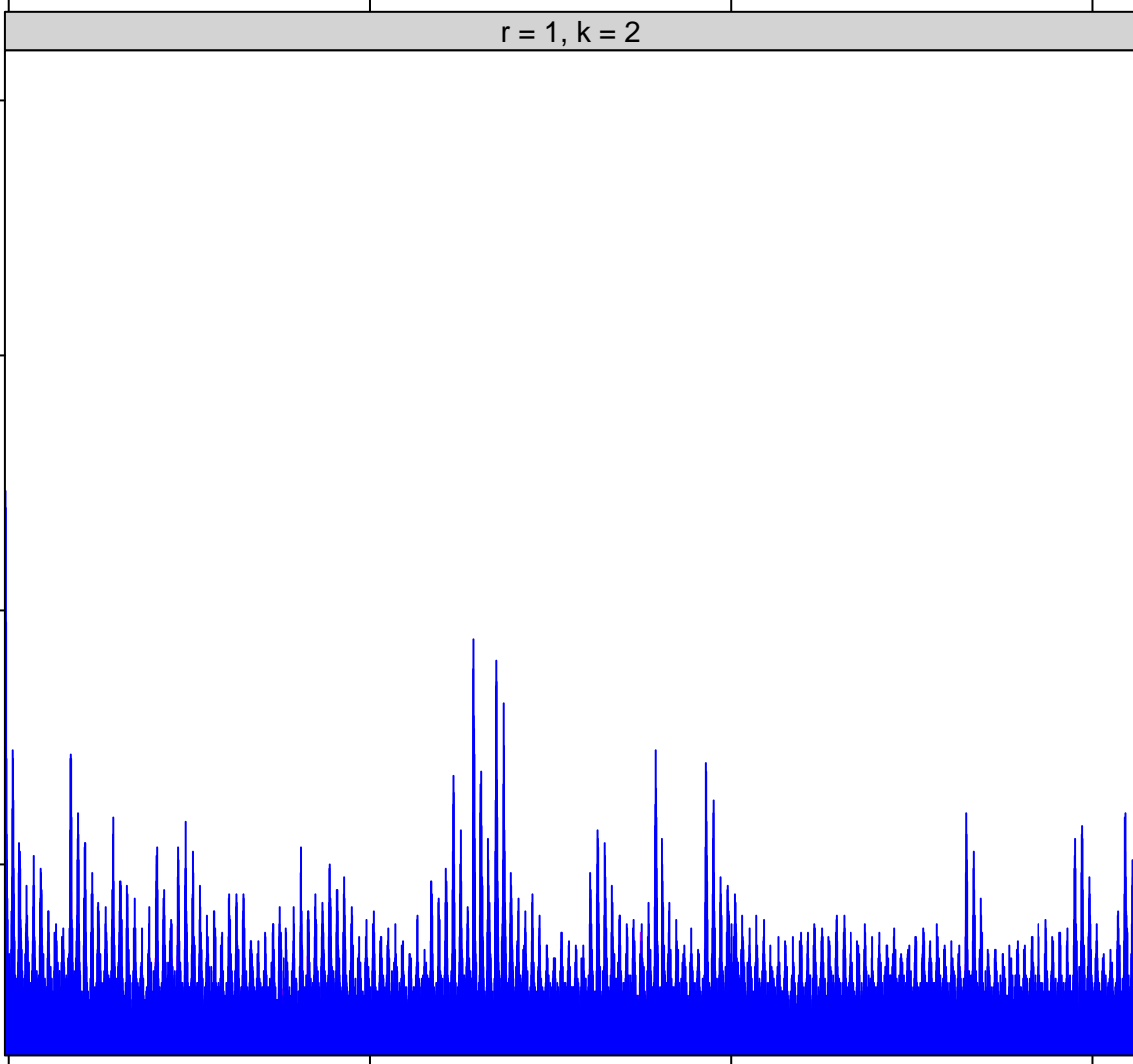
1250

1300

1350

$m/z$

*centers*





# K-means plot

1



2



3



$r = 1, k = 3$

80

60

40

20

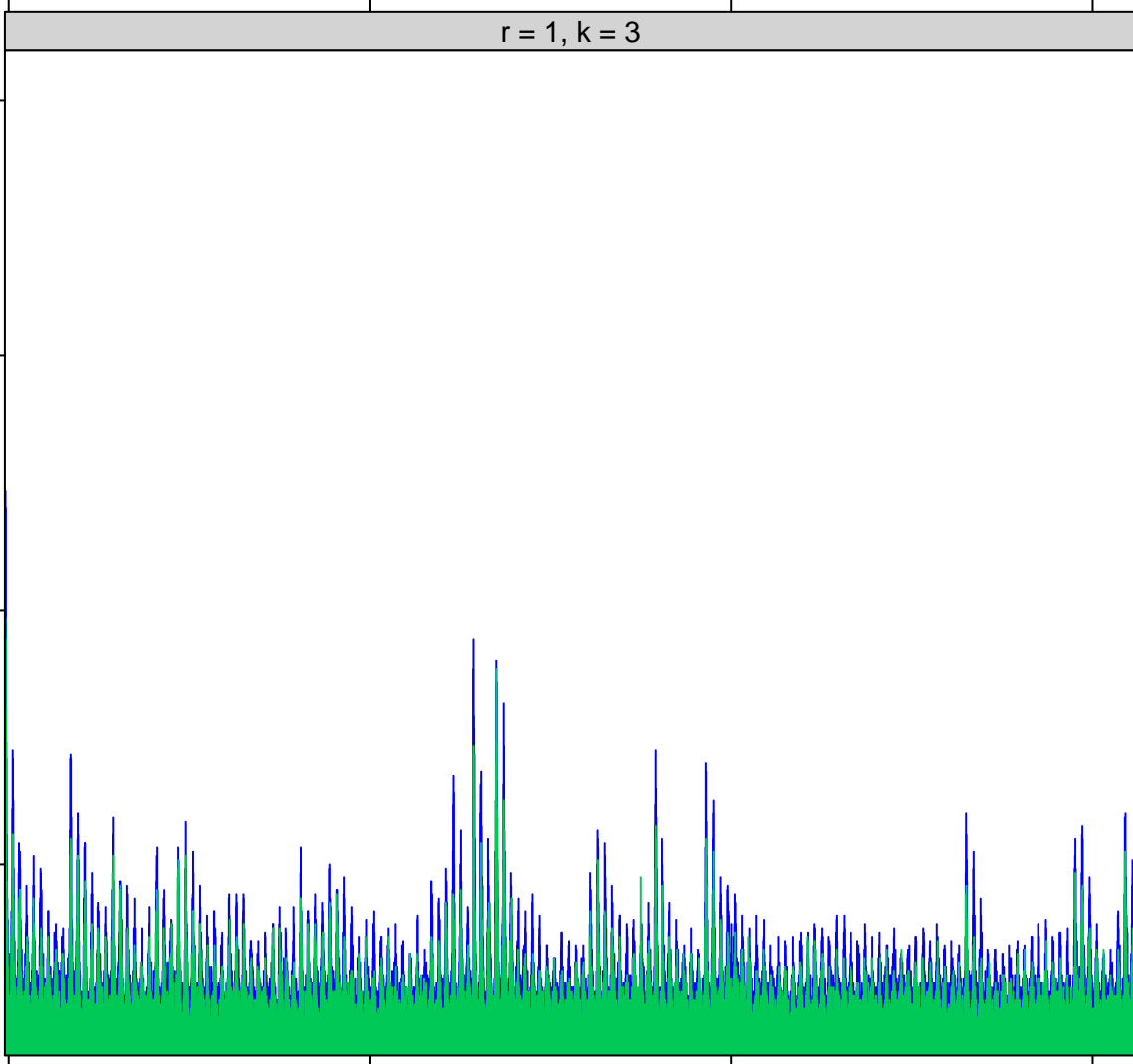
1250

1300

1350

$m/z$

*centers*



# K-means plot

1



2



3



$r = 2, k = 2$

80

60

40

20

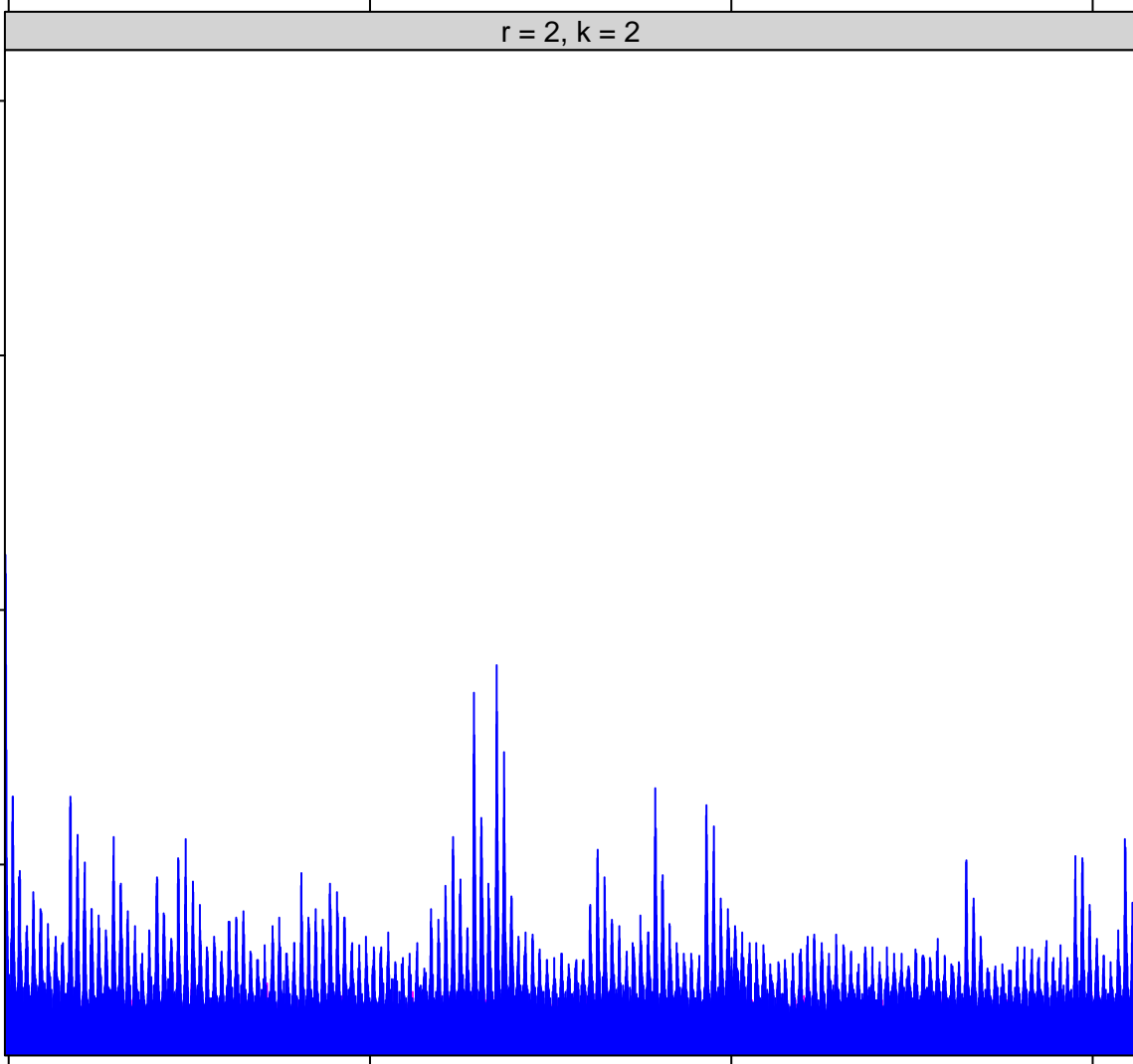
1250

1300

1350

$m/z$

*centers*



# K-means plot

1



2



3



$r = 2, k = 3$

80

60

40

20

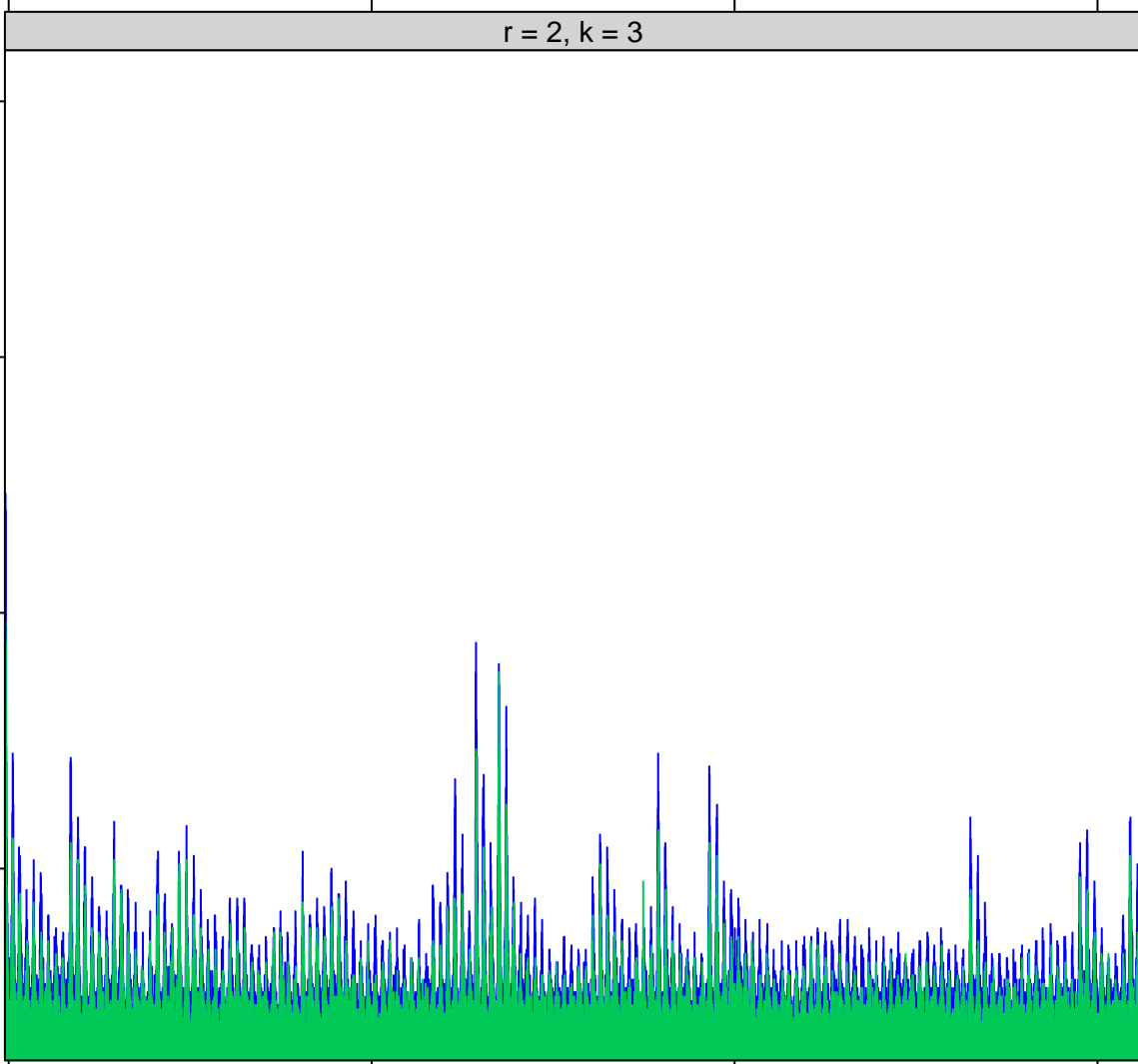
1250

1300

1350

$m/z$

*centers*



# K-means plot

1



2



3



$r = 3, k = 2$

80

60

40

20

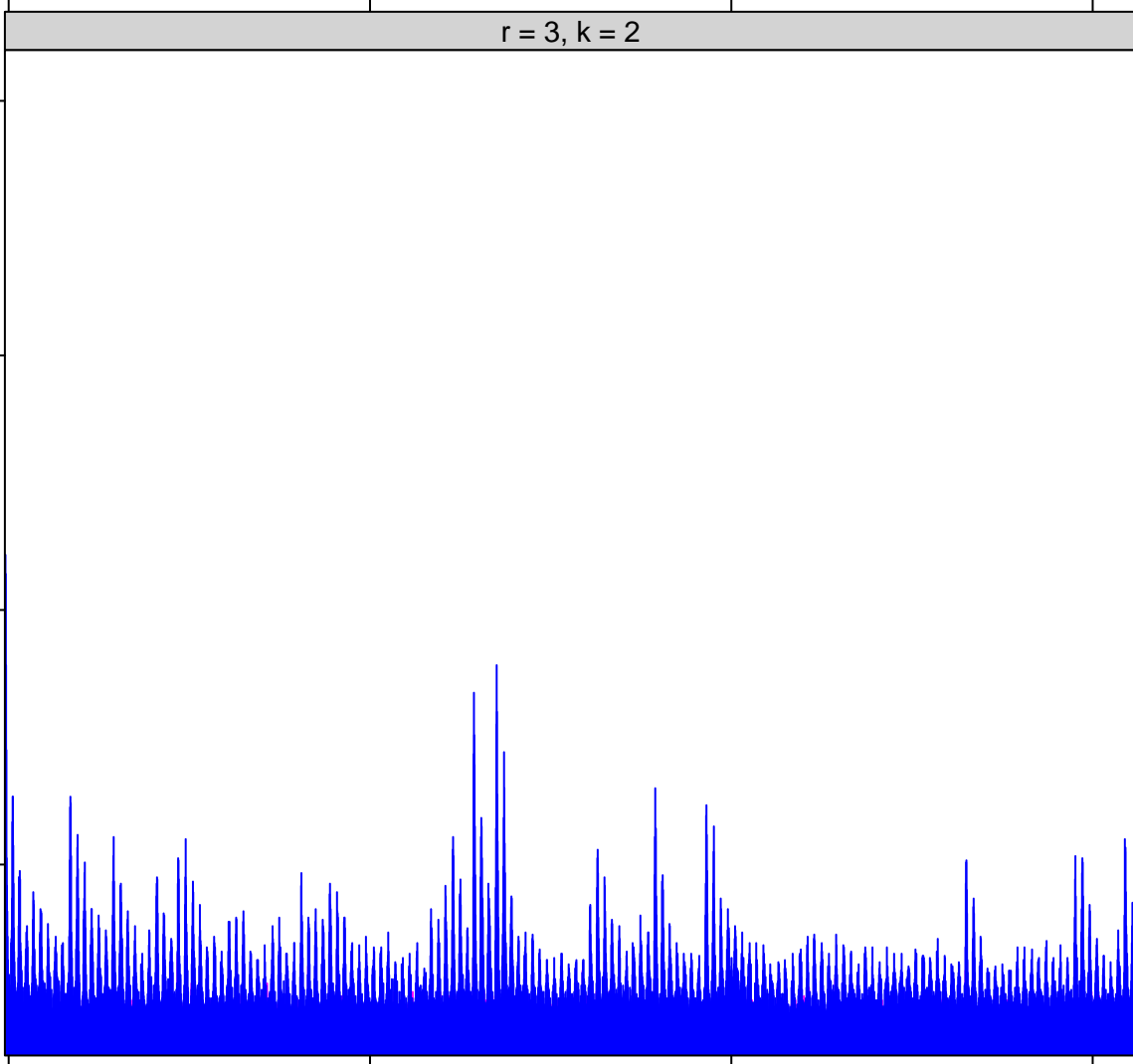
1250

1300

1350

$m/z$

*centers*



# K-means plot

1



2



3



$r = 3, k = 3$

80

60

40

20

1250

1300

1350

$m/z$

*centers*

