

# PART 1

	x	y
0	1	5
1	1	2
2	5	8
3	4	8
4	4	9
5	8	3
6	8	2
7	2	1

Image 1.1 Initial Data Coordinates

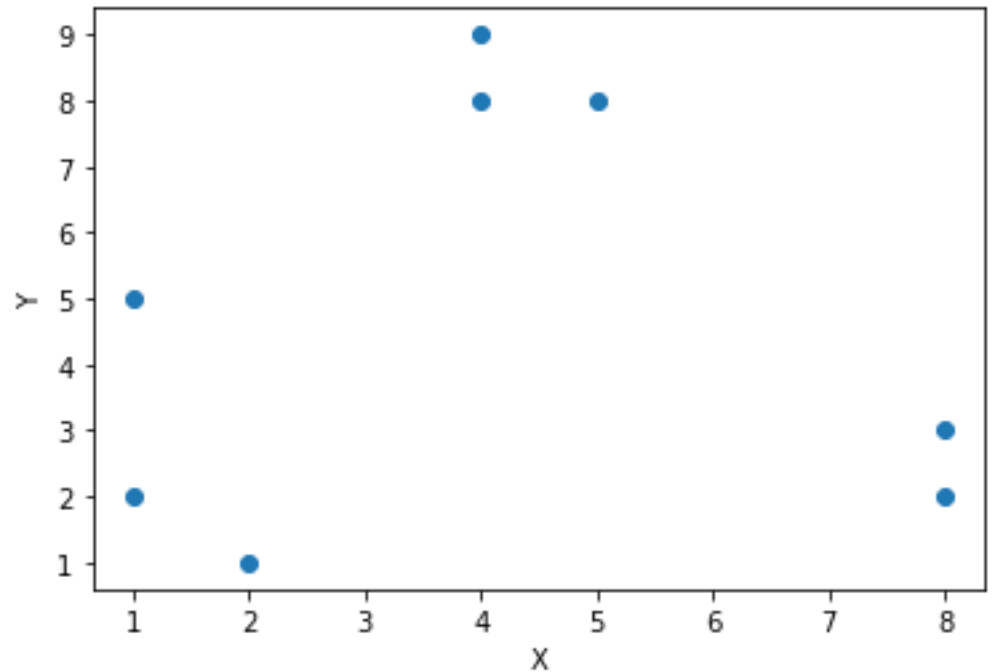


Image 1.2 Initial Data Scatterplot

	x	y	m1	m2	m3	cluster
0	1	5	5	7	11	1
1	1	2	8	10	8	1
2	5	8	6	0	10	2
3	4	8	5	1	11	2
4	4	9	4	2	12	2
5	8	3	14	8	2	3
6	8	2	15	9	1	3
7	2	1	10	10	8	3

Image 1.3 First calculation of cluster assignment

	x	y	m1	m2	m3	cluster
0	1	5	1.5	6.66	8.0	1
1	1	2	1.5	9.66	5.0	1
2	5	8	8.5	1.00	7.0	2
3	4	8	7.5	0.66	8.0	2
4	4	9	8.5	1.00	9.0	2
5	8	3	7.5	9.00	3.0	3
6	8	2	8.5	10.00	2.0	3
7	2	1	3.5	9.66	5.0	1

Image 1.4 Second calculation of cluster assignment

	x	y	m1	m2	m3	cluster
0	1	5	2.66	6.66	9.5	1
1	1	2	1.00	9.66	7.5	1
2	5	8	9.00	1.00	8.5	2
3	4	8	8.00	0.66	9.5	2
4	4	9	9.00	1.00	10.5	2
5	8	3	7.00	9.00	0.5	3
6	8	2	7.34	10.00	0.5	3
7	2	1	2.34	9.66	7.5	1

Image 1.5 Last calculation of cluster assignment

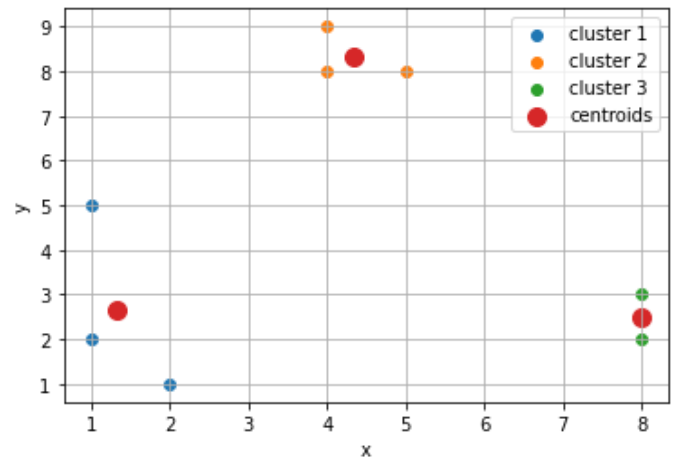


Image 1.6 Data scatterplot with final clusters

## PART 2

	var1	var2
0	1.0	1.0
1	1.5	2.0
2	3.0	4.0
3	5.0	7.0
4	3.5	5.0
5	4.5	5.0
6	3.5	4.5

Image 2.1 Initial data

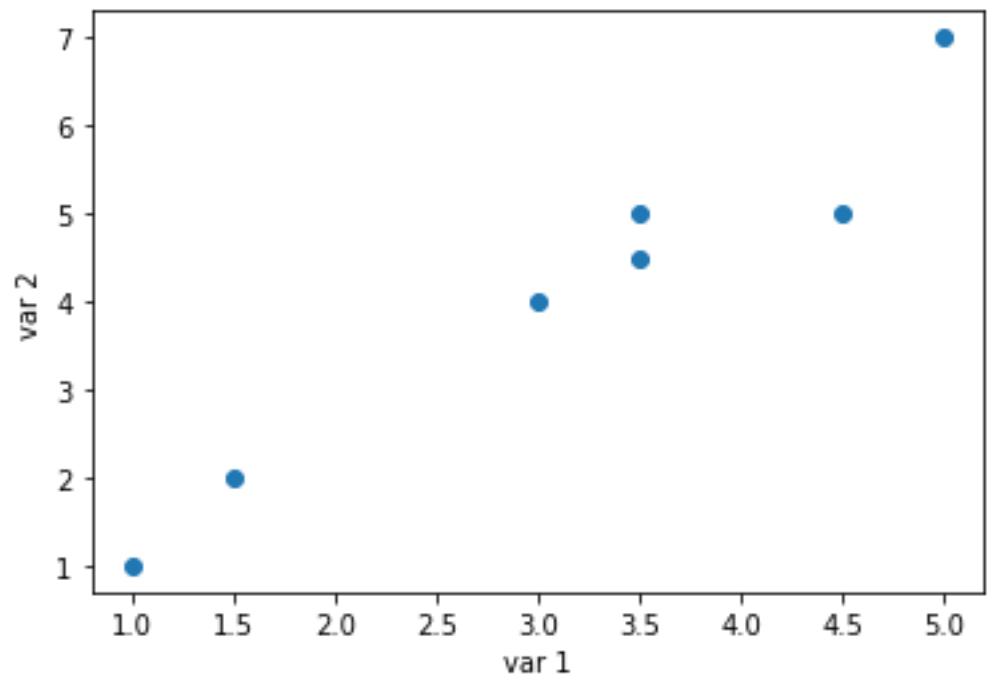


Image 2.2 Initial scatterplot

	var1	var2	m1	m2	cluster
0	1.0	1.0	2.0	10.0	1
1	1.5	2.0	0.5	8.5	1
2	3.0	4.0	3.0	5.0	1
3	5.0	7.0	8.0	0.0	2
4	3.5	5.0	4.5	3.5	2
5	4.5	5.0	5.5	2.5	2
6	3.5	4.5	4.0	4.0	1

Image 2.3 First calculation of cluster assignment

	var1	var2	m1	m2	cluster
0	1.0	1.0	3.13	8.00	1
1	1.5	2.0	1.63	6.50	1
2	3.0	4.0	1.87	3.00	1
3	5.0	7.0	6.87	2.00	2
4	3.5	5.0	3.37	1.50	2
5	4.5	5.0	4.37	0.84	2
6	3.5	4.5	2.87	2.00	2

Image 2.4 Second calculation of cluster assignment

	var1	var2	m1	m2	cluster
0	1.0	1.0	2.16	7.50	1
1	1.5	2.0	0.66	6.00	1
2	3.0	4.0	2.84	2.50	2
3	5.0	7.0	7.84	2.50	2
4	3.5	5.0	4.34	1.00	2
5	4.5	5.0	5.34	0.76	2
6	3.5	4.5	3.84	1.50	2

Image 2.5 Third calculation of cluster assignment

	var1	var2	m1	m2	cluster
0	1.0	1.0	0.75	7.0	1
1	1.5	2.0	0.75	5.5	1
2	3.0	4.0	4.25	2.0	2
3	5.0	7.0	9.25	3.0	2
4	3.5	5.0	5.75	0.5	2
5	4.5	5.0	6.75	0.7	2
6	3.5	4.5	5.25	1.0	2

Image 2.6 Last calculation of cluster assignment

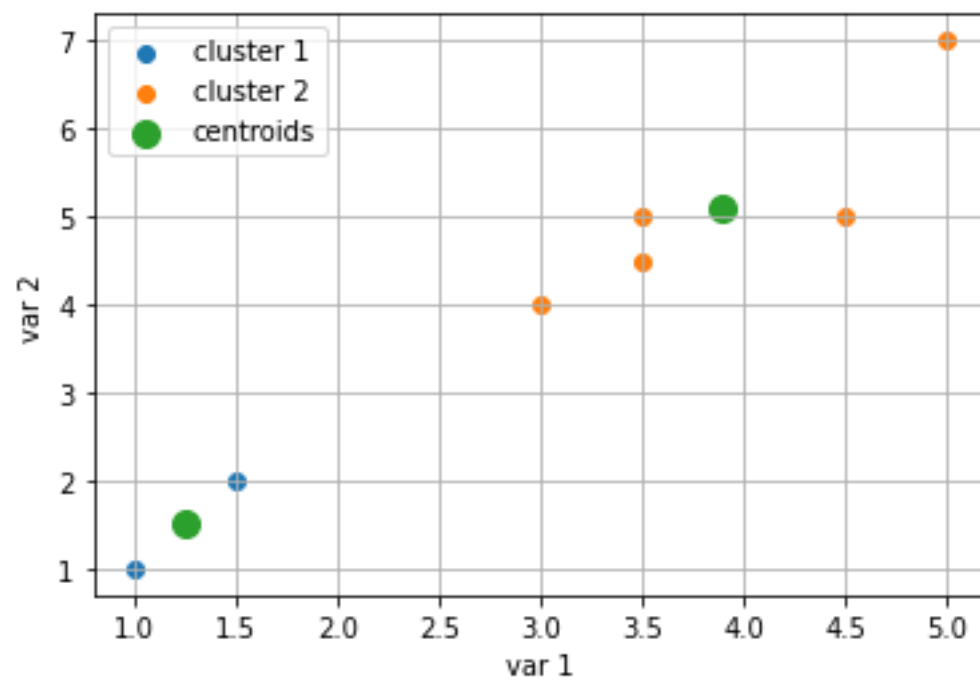


Image 2.7 Data scatterplot with final clusters