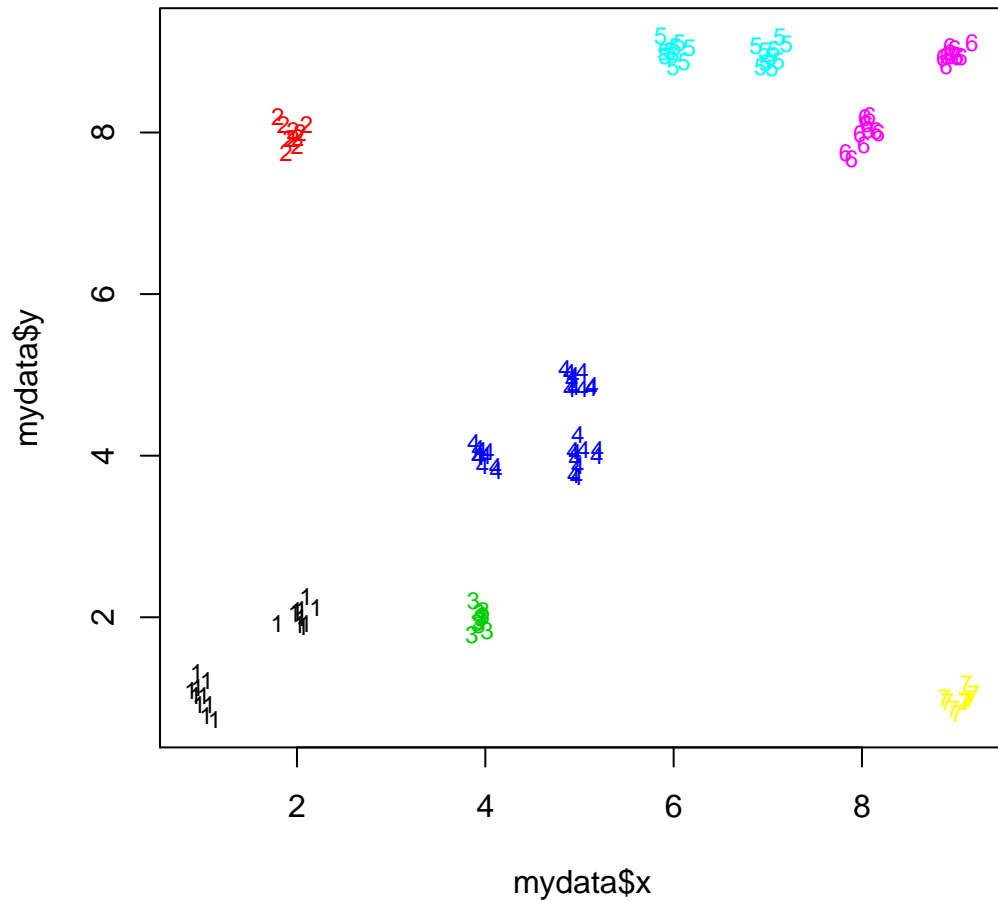
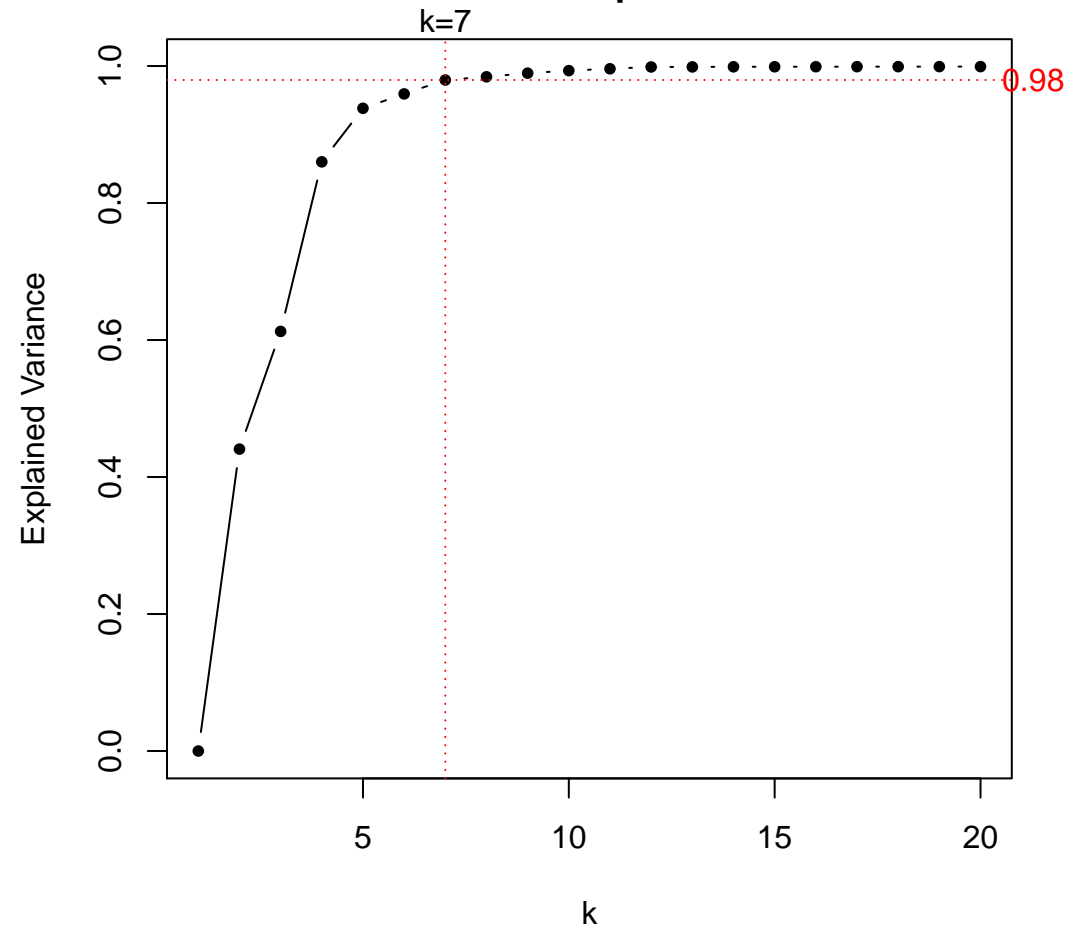


Clusters of simulated data



Elbow plot



A "good" $k=7$ is detected when the EV is no less than 0.95 and the increment of EV is no more than 0.01 for a bigger k .