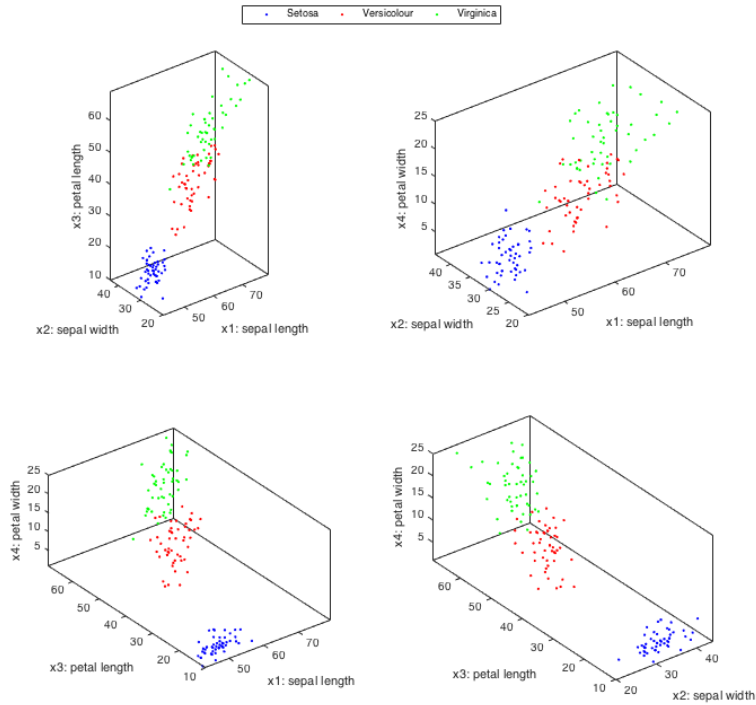


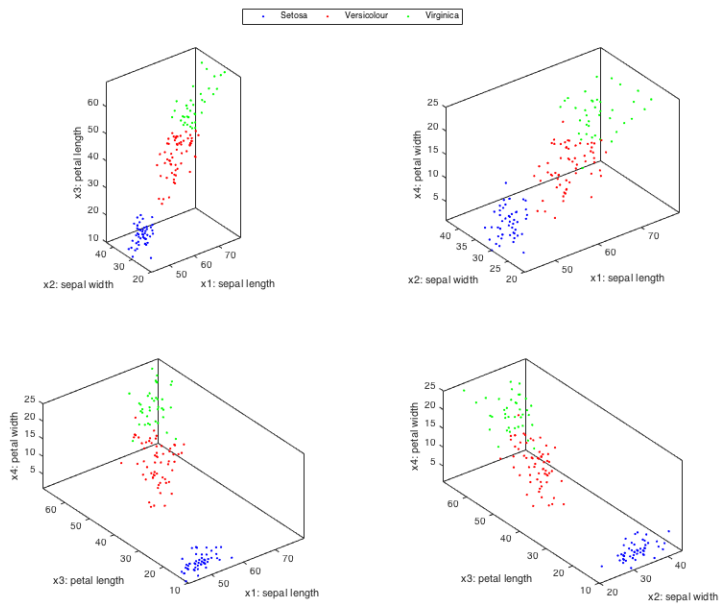
# HW11 M6

## Answer (for reference only)

The result of Ground true:



The result of k-means:



Code:

```
DS = prData('iris');
K = 3;
DS_kmeans = DS;
DS_kmeans.output = kmeans(DS.input', K)';
dsProjPlot3(DS); % ground true
figure;
dsProjPlot3(DS_kmeans); % k means
```

Observation:

We could see the difference between these two figures. The k-means can roughly classify the class, but k-means doesn't work well for sample points close to each other.