

MA 750: HW2

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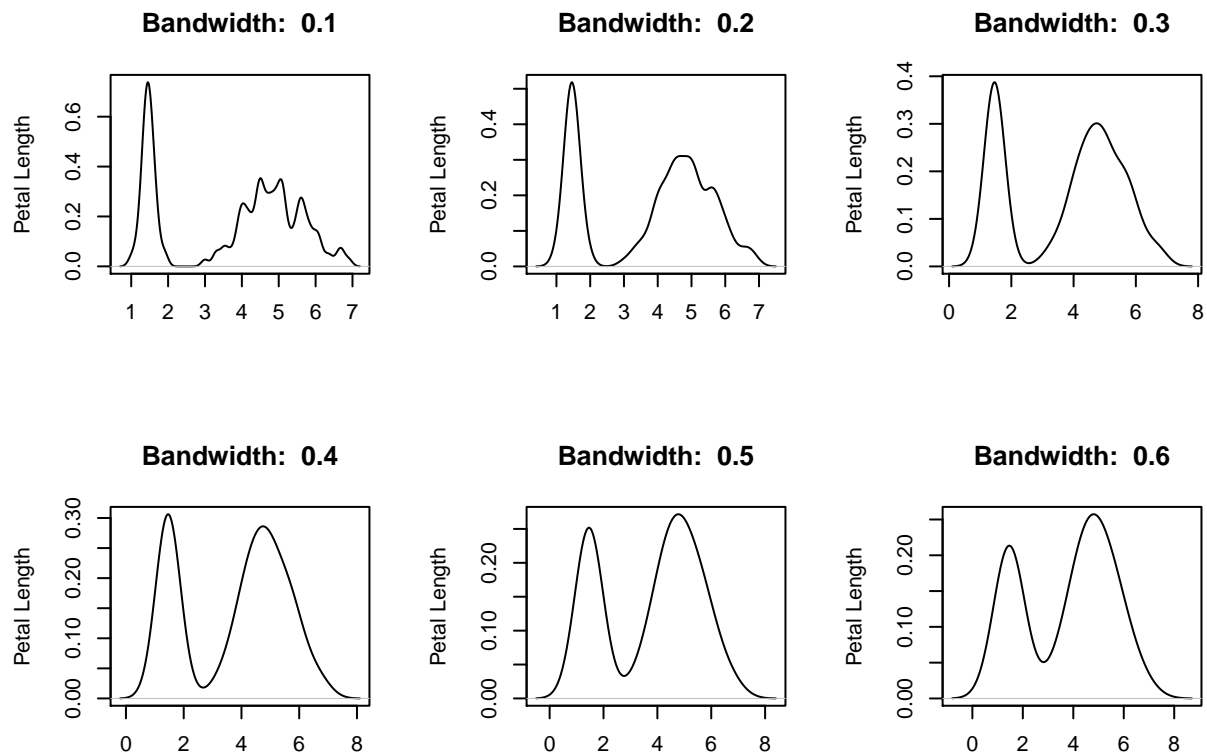
Exercise 2.4

```
#take a peak at the data  
head(iris)
```

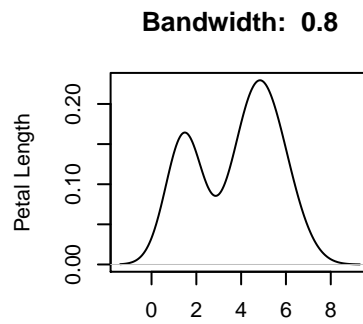
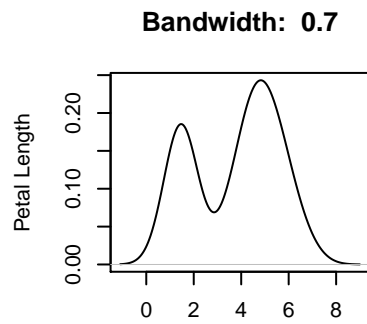
```
##      Sepal.Length Sepal.Width Petal.Length Petal.Width Species  
## 1           5.1         3.5         1.4         0.2   setosa  
## 2           4.9         3.0         1.4         0.2   setosa  
## 3           4.7         3.2         1.3         0.2   setosa  
## 4           4.6         3.1         1.5         0.2   setosa  
## 5           5.0         3.6         1.4         0.2   setosa  
## 6           5.4         3.9         1.7         0.4   setosa
```

```
#Take a look at multiple bandwidths
```

```
par(mfrow = c(2,3))  
for(h in seq(.1, .8, .1)){  
  plot(density(iris$Petal.Length, bw = h, kernel = "gaussian"), xlab = "", ylab = "Petal Length", main =  
  )  
}
```



```
#Take a look at multiple bandwidths  
par(mfrow = c(2,3))
```



```
for(h in seq(.1, .8, .1)){
  plot(density(iris$Petal.Length, bw = h, kernel = "gaussian"), xlab = "", ylab = "Petal Length", main =
}
```

