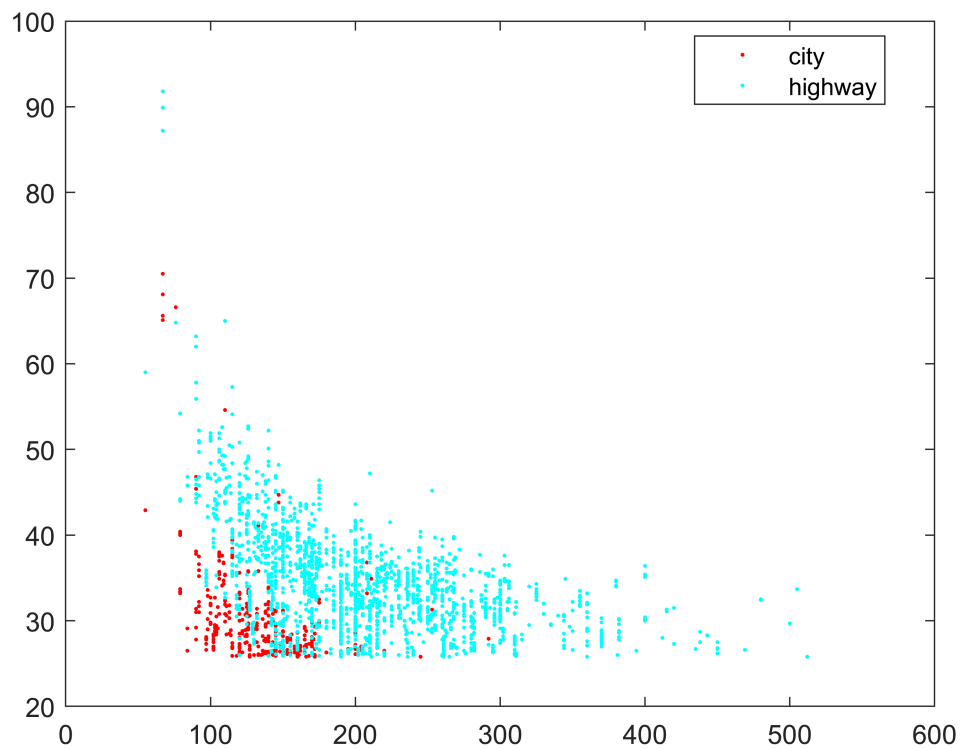


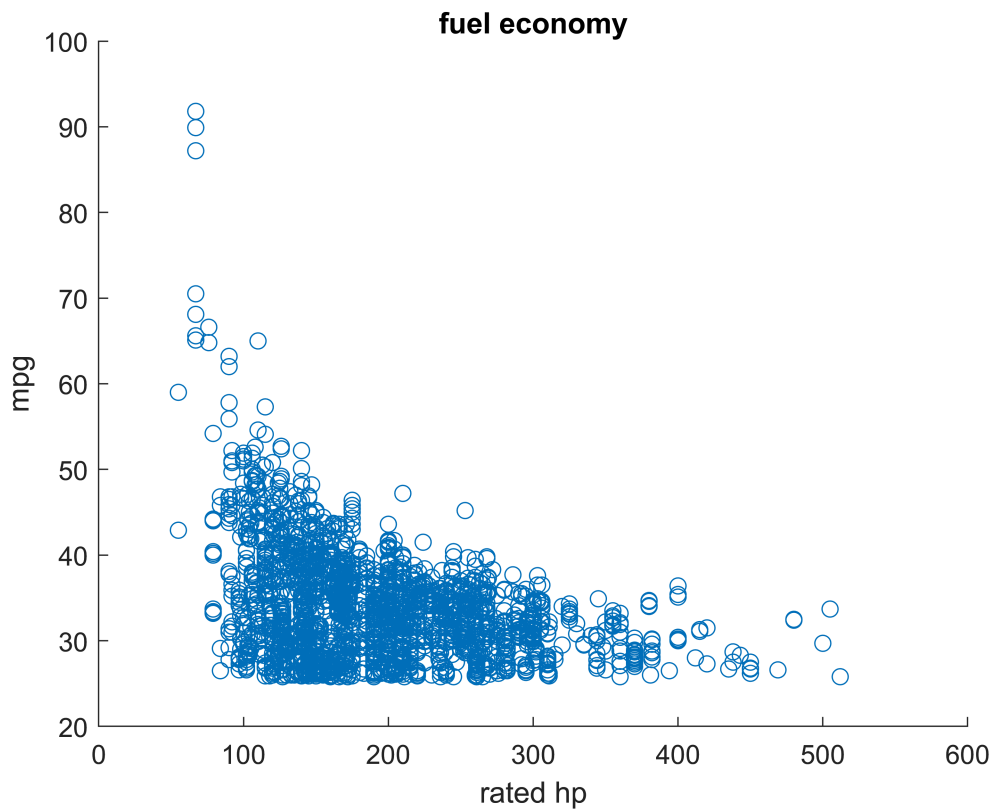
Fuel economy

this is data import

```
carData=importfile('2012dat.xlsx');  
gscatter(carData.RatedHP,carData.MPG,carData.City_Highway)
```



```
createfigure(carData.RatedHP,carData.MPG)
```

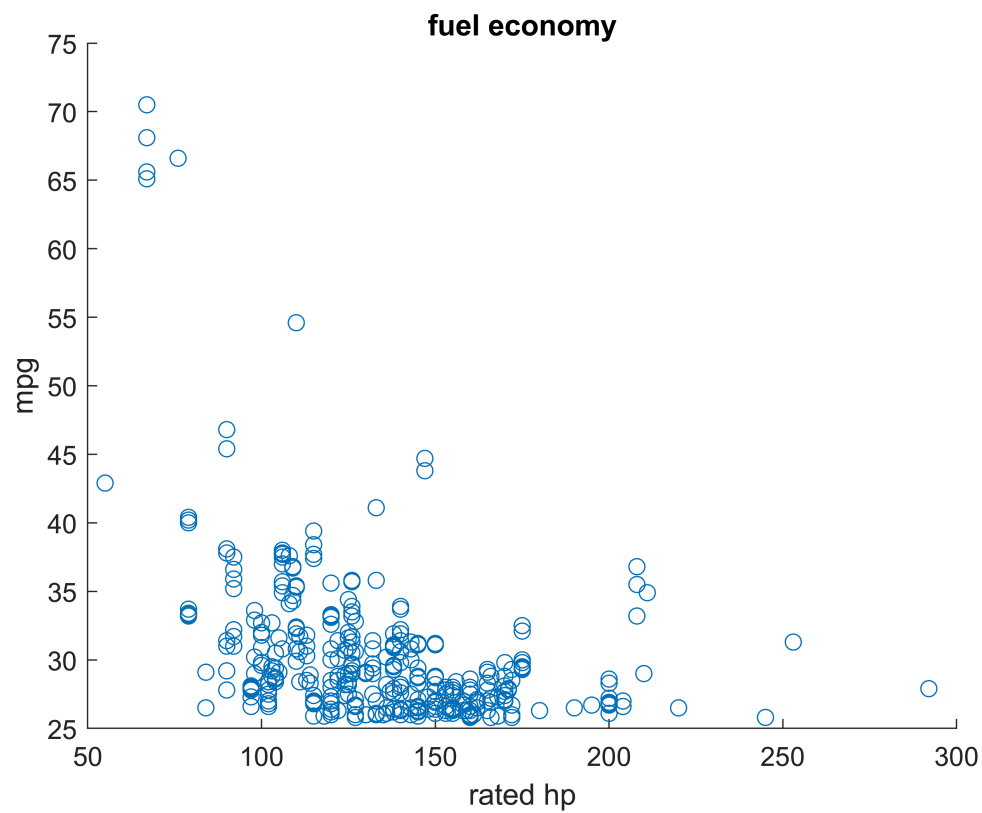


```
city=carData.City_Highway=='city'
```

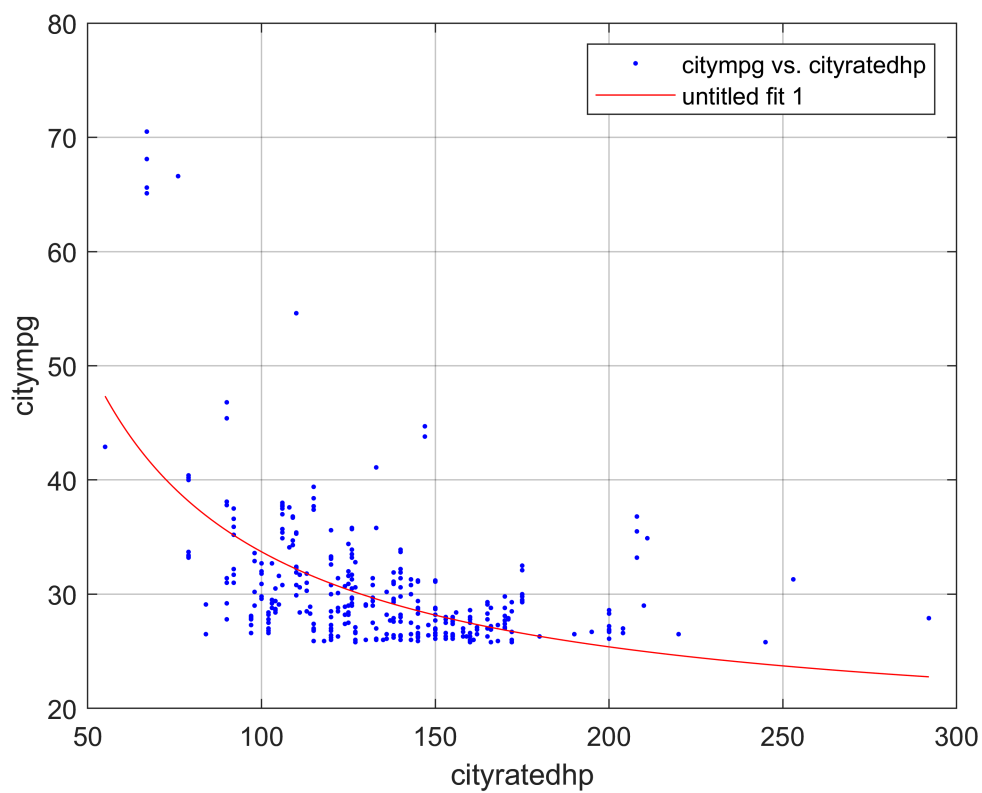
```
city = 2337x1 logical array
0
0
0
0
1
1
1
1
1
1
0
⋮
```

```
cityratedhp=carData.RatedHP(city);
citympg=carData.MPG(city);
```

```
createfigure(cityratedhp,citympg)
```



```
model=createFit(cityratedhp,citympg)
```



```
model =  
  General model:  
  model(x) = b1+b2/x  
  Coefficients (with 95% confidence bounds):  
    b1 =      17.06  (15.01, 19.12)  
    b2 =     1665  (1414, 1916)
```

```
model(300)
```

```
ans = 22.6139
```