

```
% Age = [19:29]
% HomeRuns = [13 23 21 27 37 52 34 42 31 40 54]
% AtBats = [341 549 461 543 517 533 474 519 541 527 514]
% HRR = 100*HomeRuns./AtBats
% bar(HRR, Age, 'g')
% xlabel('Age')
% ylabel('Homerun Rate')
% title('Homerun Rate by Age')
% hrrMax=find(HRR==max(HRR))
% disp("Mickey Mantles had a highest homerun rate of " + HRR(hrrMax))
% HrFind=find(HomeRuns==max(HomeRuns))
% disp("The highest number of home runs was " + HRR(HrFind) + "at age ")
```

```
HomeRuns = [13 23 21 27 37 52 34 42 31 40 54]
```

```
HomeRuns = 1×11
    13     23     21     27     37     52     34     42     31     40     54
```

```
AtBats = [341 549 461 543 517 533 474 519 541 527 514]
```

```
AtBats = 1×11
    341     549     461     543     517     533     474     519     541     527     514
```

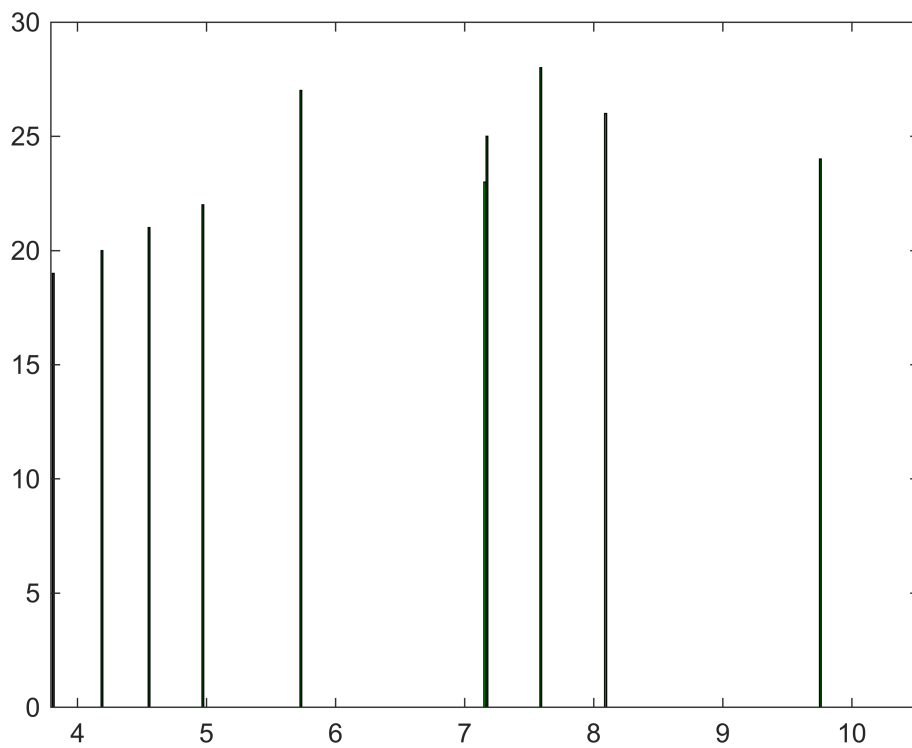
```
runRates=(100*HomeRuns./AtBats)
```

```
runRates = 1×11
    3.8123    4.1894    4.5553    4.9724    7.1567    9.7561    7.1730    8.0925 ...
```

```
age = [19:29]
```

```
age = 1×11
    19     20     21     22     23     24     25     26     27     28     29
```

```
bar(runRates, age, 'g')
```



```
highest = max(runRates)
```

```
highest =  
10.5058
```

```
[c,d] = max(runRates)
```

```
c =  
10.5058  
d =  
11
```

```
Age = age(d)
```

```
Age =  
29
```

```
fprintf('The most highest rate of runs were hit when Mickey was %d years old. The  
rate was %f.', Age, c)
```

The most highest rate of runs were hit when Mickey was 29 years old. The rate was 10.505837.

```
most = max(HomeRuns)
```

```
most =  
54
```

```
[c,d] = max(HomeRuns)
```

```
c =  
54  
d =  
11
```

```
Age = age(d)
```

```
Age =  
29
```

```
fprintf('The most home runs were hit when Mickey was %d years old. He made %d home  
runs', Age, most)
```

```
The most home runs were hit when Mickey was 29 years old. He made 54 home runs
```