

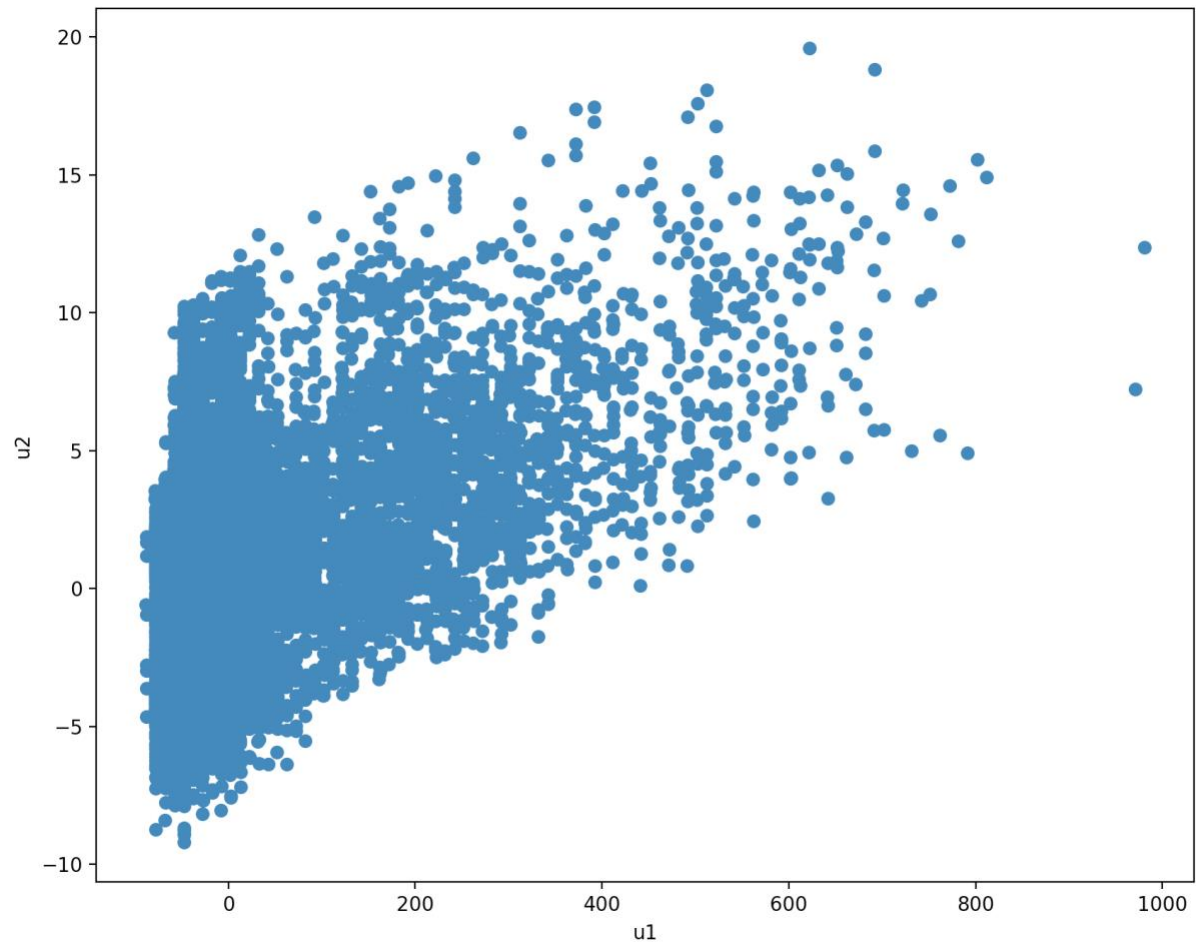
Heqiong Xi

Part 1

r is: 6

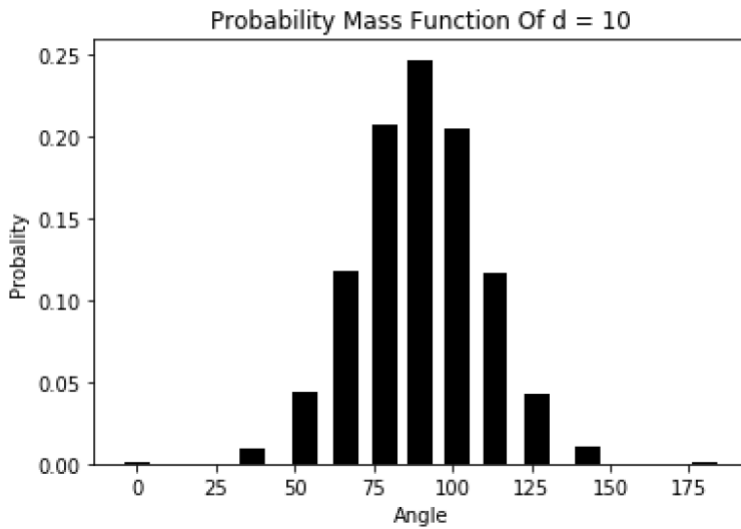
Reduced\_value is [10528.65982413 1162.62982158 210.19257592 153.86116764  
134.46427883 99.70211617]

mse is 603.4392963943919

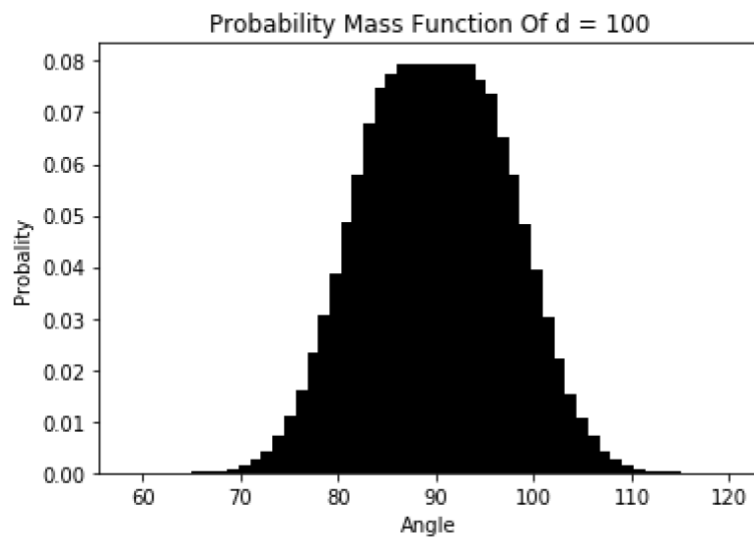


## Part2

The max angle is: 179.99999879258172  
The minimum angle is: 1.2074182697257333e-06  
The Range is: 179.99999758516344  
The Mean is: 89.95479824352302  
Variance is: 374.7805354723789



The max angle is: 116.1038811373399  
The minimum angle is: 62.612892497346095  
The Range is: 53.4909886399938  
The Mean is: 89.95173537439679  
Variance is: 33.257219699542176



The max angle is: 97.2385081759144  
The minimum angle is: 82.18355099138559  
The Range is: 15.054957184528817  
The Mean is: 90.00827914840178  
Variance is: 3.2892404578751258

