

B05703029 財金三 陳怡蓁

1

```
Mean_q1_t <- function(df){  
  q1 <- qt(0.25,df)  
  sample <- rt(20,df)  
  print(mean(sample[which(sample<q1)]))  
}
```

2

```
check <- function(k){  
  sample <- rpois(5,k)  
  mean <- mean(sample)  
  if(mean>k){print("over")}  
  else if (mean==k){print("equal")}  
  else{ print("under")}  
}
```

3

```
check2 <- function(k){  
  sample <- rpois(5,k)  
  mean <- mean(sample)  
  ifelse(mean>k,return("over"),ifelse(mean==k,return("equal"),return("under")))  
}
```