

PSTAT174HW1

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```
#Part 5 A
set.seed(123)

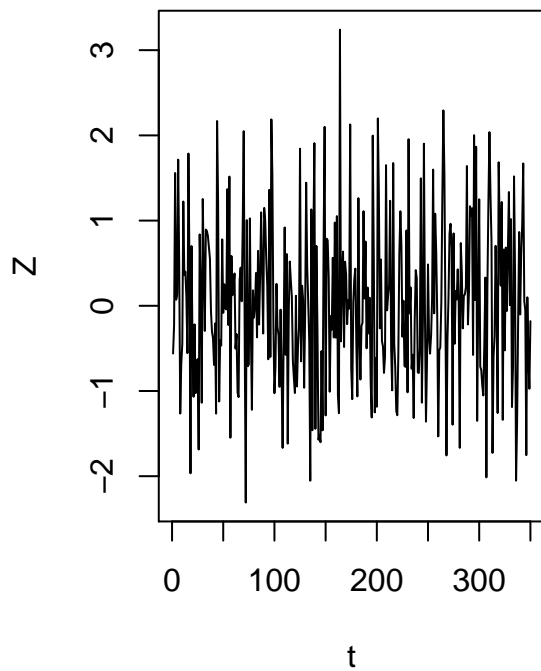
Z <- rnorm(n = 350, mean = 0, sd = 1)

par(mfrow = c(1, 2))

plot.ts(Z, xlab="t", ylab="Z", main="White Noise for Z")

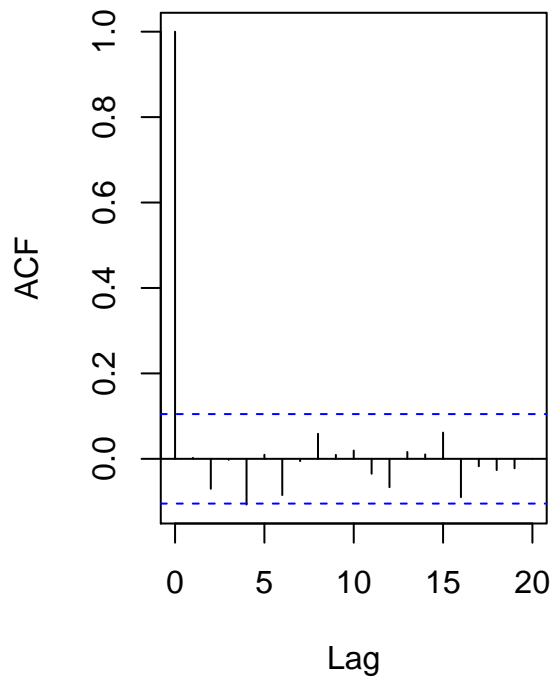
par(mfrow = c(1, 2))
```

White Noise for Z

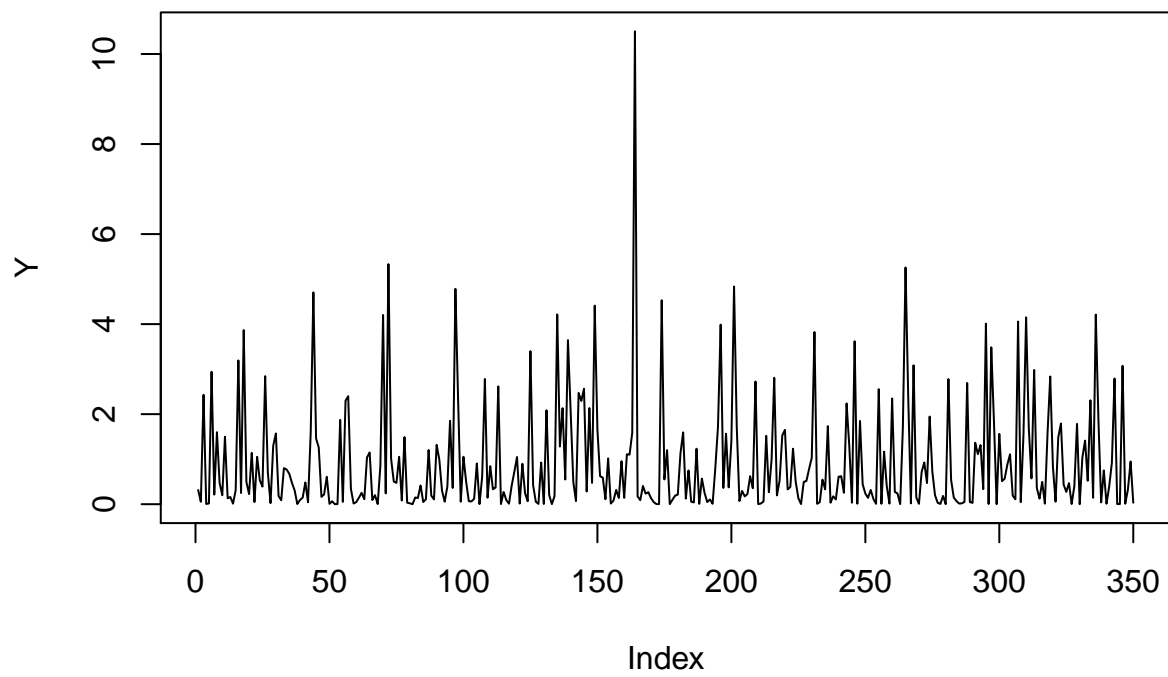


```
acf(Z, main = "ACF for Z", lag.max = 20)
```

ACF for Z



```
#Part 5 B  
Y = Z^2  
  
plot(Y, type = "l")
```



```
acf(Y)
```

Series Y

