

# Untitled

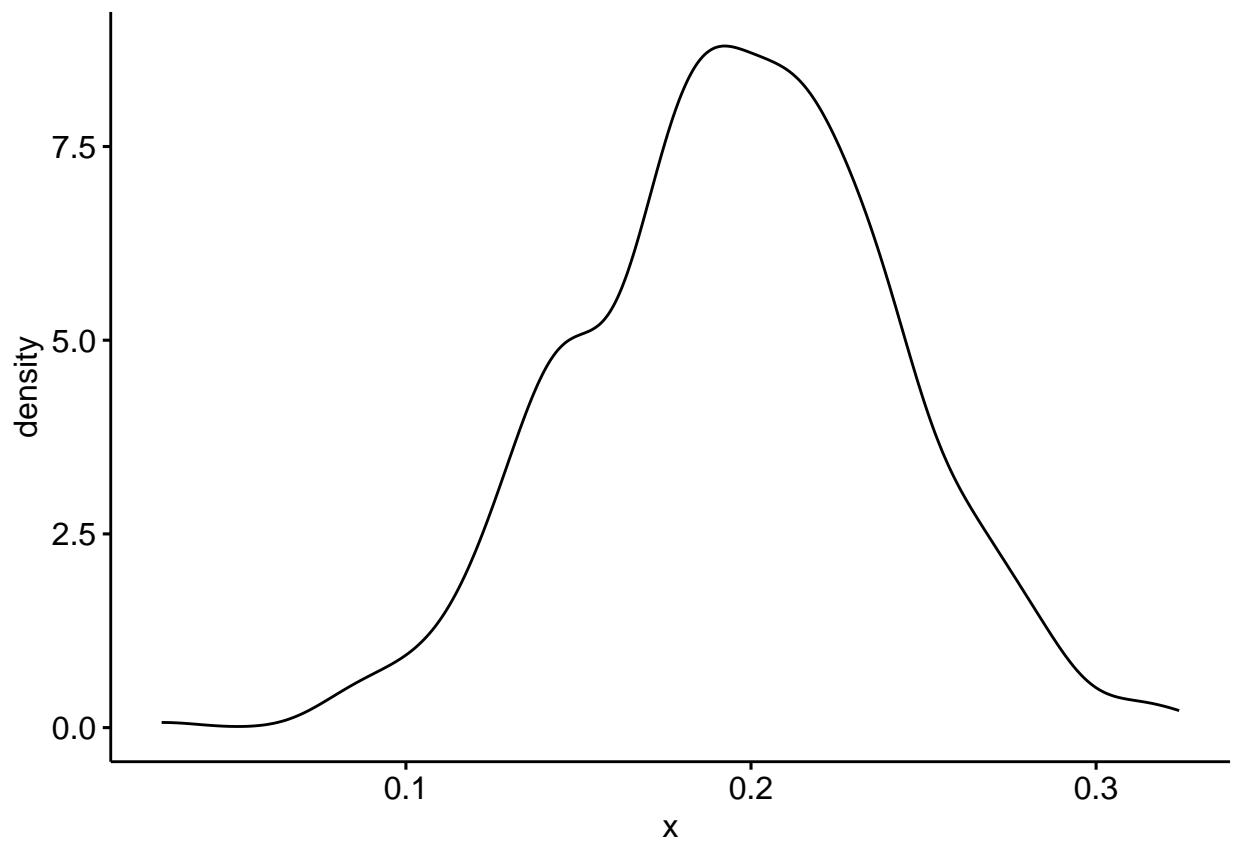
Mario

29/5/2023

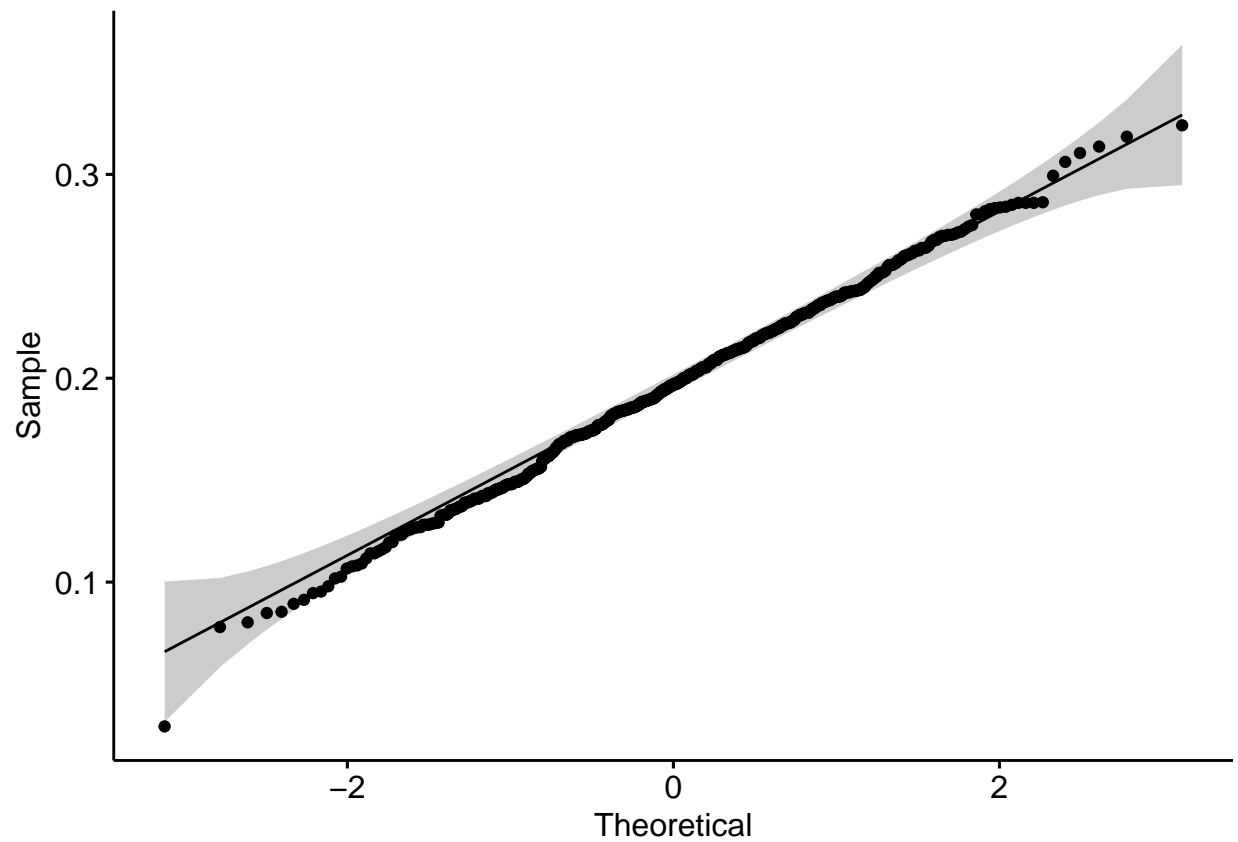
```
## -- Attaching packages ----- tidyverse 1.3.2 --
## v ggplot2 3.4.1      v dplyr   1.1.0
## v tibble  3.1.8      v stringr 1.5.0
## v tidyr   1.2.1      v forcats 0.5.2
## v purrr   1.0.1
## -- Conflicts ----- tidyverse_conflicts() --
## x dplyr::filter() masks stats::filter()
## x dplyr::lag()    masks stats::lag()
```

**n = 500 pixeles**

```
print(ggdensity(SER_LIC_500$SER))
```



```
print(ggqqplot(SER_LIC_500$SER))
```

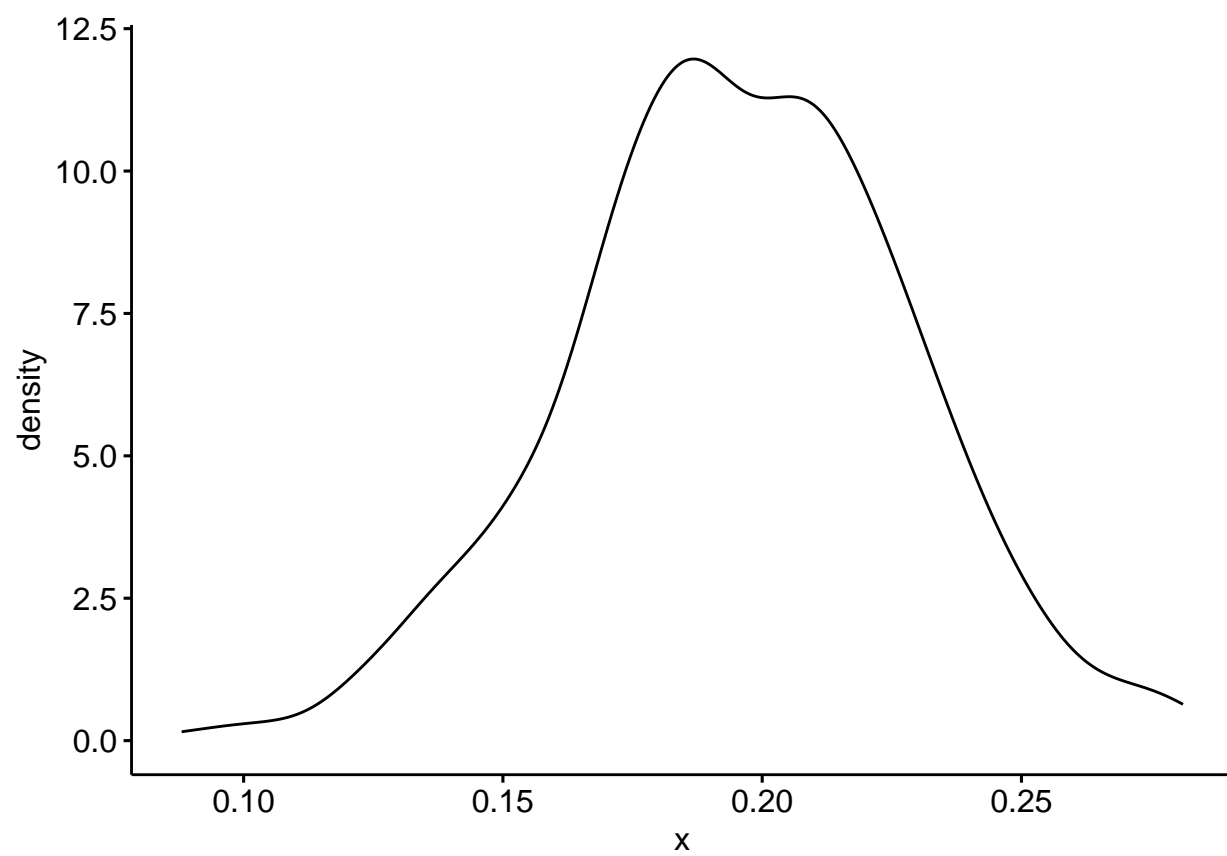


```
print(shapiro.test(SER_LIC_500$SER))
```

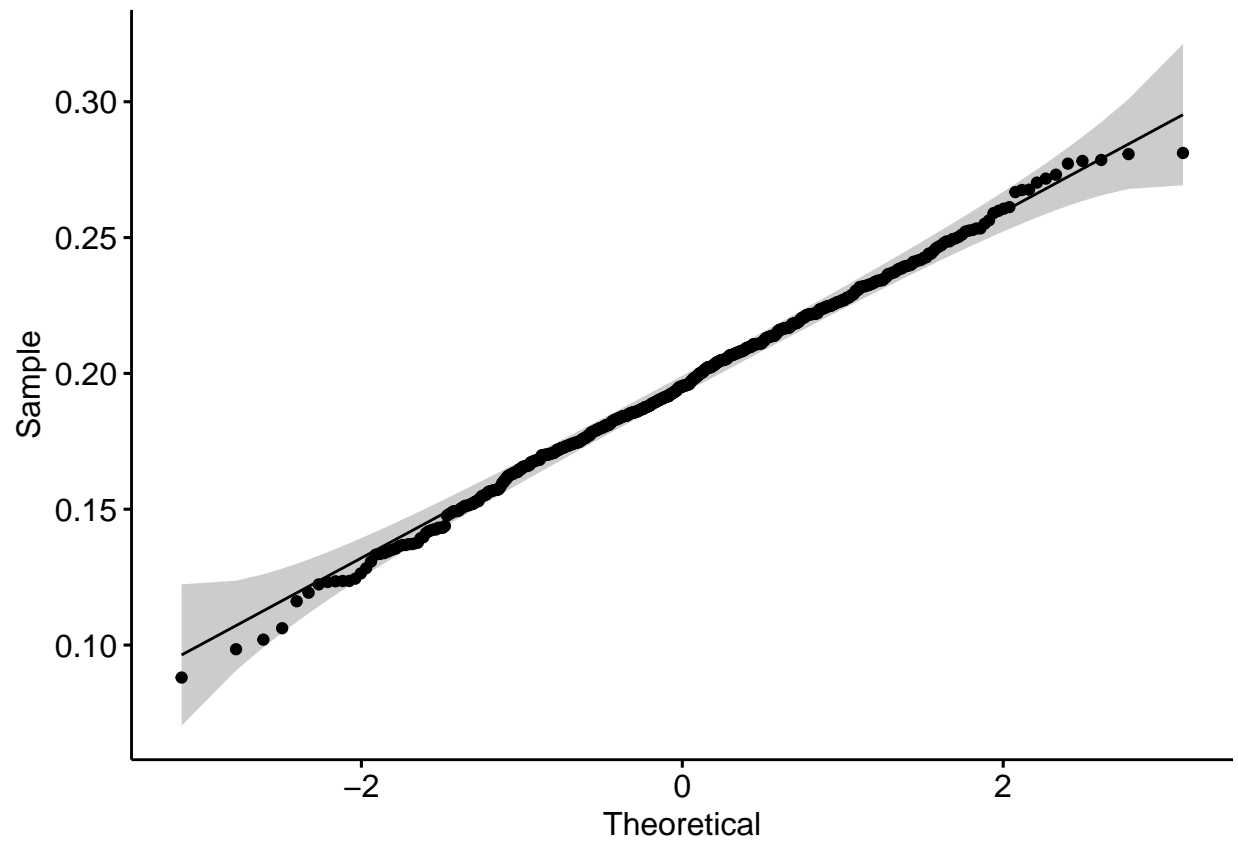
```
##  
## Shapiro-Wilk normality test  
##  
## data:  SER_LIC_500$SER  
## W = 0.99773, p-value = 0.6663
```

**n = 1000 pixeles**

```
print(ggdensity(SER_LIC_1000$SER))
```



```
print(ggqqplot(SER_LIC_1000$SER))
```

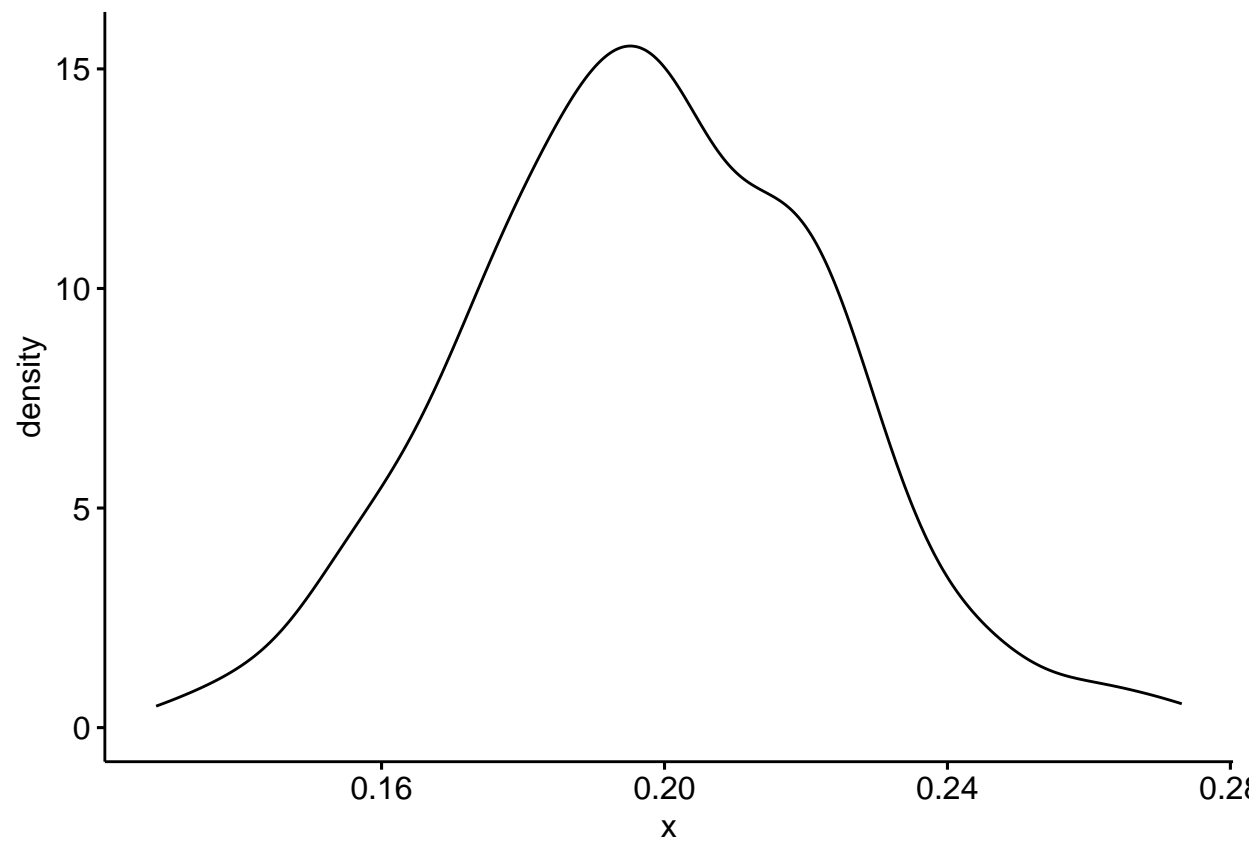


```
print(shapiro.test(SER_LIC_1000$SER))
```

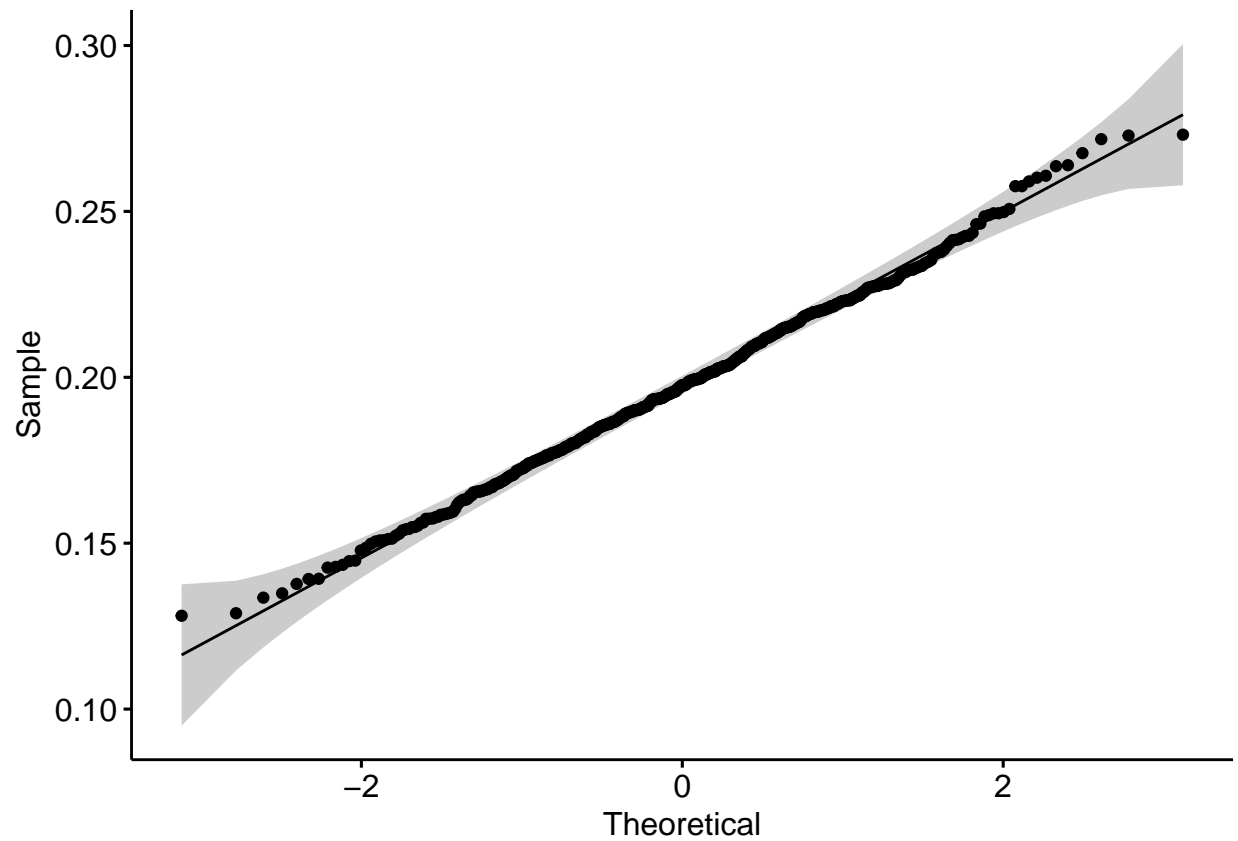
```
##
##  Shapiro-Wilk normality test
##
## data:  SER_LIC_1000$SER
## W = 0.99742, p-value = 0.5479
```

**n = 1500 pixeles**

```
print(ggdensity(SER_LIC_1500$SER))
```



```
print(ggqqplot(SER_LIC_1500$SER))
```

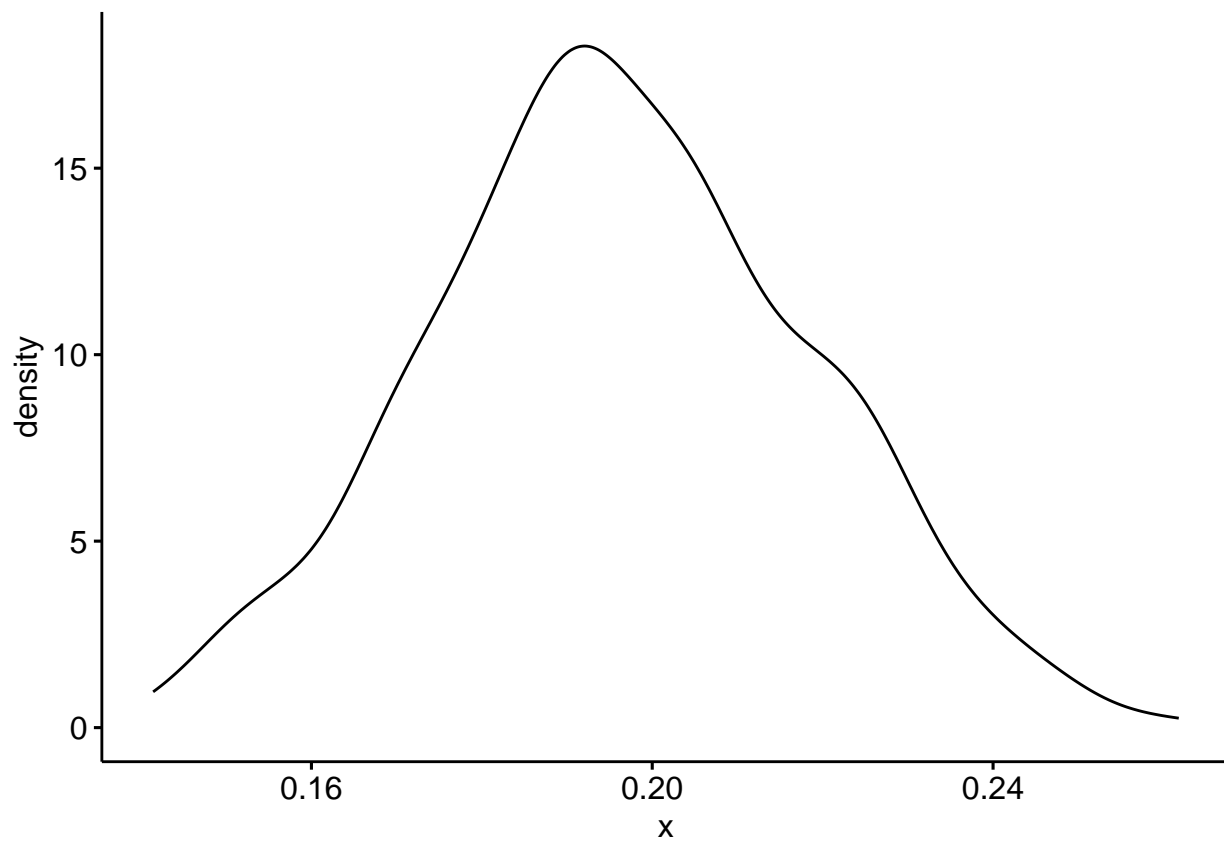


```
print(shapiro.test(SER_LIC_1500$SER))
```

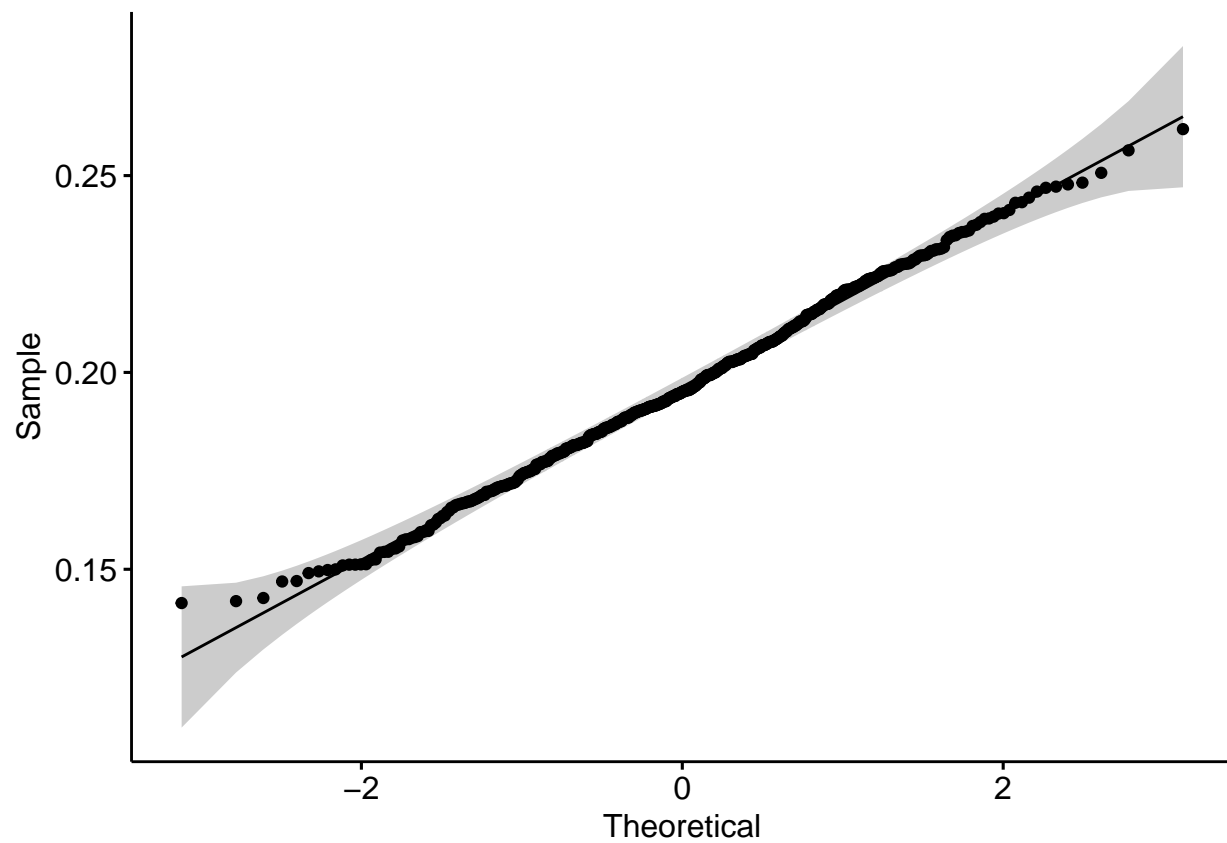
```
##
##  Shapiro-Wilk normality test
##
## data:  SER_LIC_1500$SER
## W = 0.99732, p-value = 0.5125
```

**n = 2000 pixeles**

```
print(ggdensity(SER_LIC_2000$SER))
```



```
print(ggqqplot(SER_LIC_2000$SER))
```



```
print(shapiro.test(SER_LIC_2000$SER))
```

```
##  
##  Shapiro-Wilk normality test  
##  
## data:  SER_LIC_2000$SER  
## W = 0.99666, p-value = 0.3059
```