

# Tanımlayıcı İstatistik

Zeynep Taner

31.10.2022

## Temel İstatistik

*Kullanılan veri kümesi*

```
## New names:
## Rows: 3000 Columns: 3
## — Column specification
## ————— Delimiter: "," db
1
## (3): ...1, height, finger
## i Use `spec()` to retrieve the full column specification for this data. i
## Specify the column types or set `show_col_types = FALSE` to quiet this mes
sage.
## • `` -> `...1`

## # A tibble: 3,000 × 3
##   ...1 height finger
##   <dbl> <dbl> <dbl>
## 1     1     4.63    10
## 2     2     4.71   10.3
## 3     3     4.80     9.9
## 4     4     4.80   10.2
## 5     5     4.80   10.2
## 6     6     4.80   10.3
## 7     7     4.80   10.4
## 8     8     4.80   10.7
## 9     9     4.88    10
## 10    10     4.88   10.1
## # ... with 2,990 more rows
```

### Ortalama (Mean)

```
## [1] 5.419625
```

```
## [1] 11.54737
```

### Medyan (Median)

```
## [1] 5.380208
```

```
## [1] 11.5
```

### Mod (Mode)

```
## [1] 5.380208
```

```
## [1] 5.380208
```

### Yüzde değer (Percentile)

```
##      32%      57%      98%  
## 5.296875 5.463542 5.880208
```

```
##  32%  57%  98%  
## 11.3 11.6 12.7
```

### Çeyrek değer (Quartile)

```
##      0%      25%      50%      75%     100%  
## 4.630208 5.296875 5.380208 5.546875 6.380208
```

```
##  0%  25%  50%  75% 100%  
##  9.5 11.2 11.5 11.9 13.5
```

### Değişim aralığı (Range)

```
## [1] 4.630208 6.380208
```

```
## [1]  9.5 13.5
```

```
## [1] 1.75
```

```
## [1] 4
```

### Çeyrekler arası değişim aralığı (Interquartile range)

```
## [1] 0.25
```

```
## [1] 0.7
```

### Varyans (Variance)

```
## [1] 0.04543138
```

```
## [1] 0.3010868
```

### Standart sapma (Standard deviation)

```
## [1] 0.2131464
```

```
## [1] 0.5487137
```

### Değişkenlik katsayısı (Coefficient of variation)

```
## [1] 3.932862
```

```
## [1] 4.751852
```

### Çarpıklık (Skewness)

```
## [1] 0.05155381
```

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

##	[2965]	2.1608781	2.1608781	2.1608781	2.1608781	2.1608781	2.1608781
##	[2971]	2.1608781	2.5518457	2.5518457	2.5518457	2.5518457	2.5518457
##	[2977]	2.5518457	2.5518457	2.5518457	2.5518457	2.5518457	2.5518457
##	[2983]	2.5518457	2.5518457	2.5518457	2.5518457	2.5518457	2.5518457
##	[2989]	2.9428133	2.9428133	2.9428133	2.9428133	2.9428133	2.9428133
##	[2995]	2.9428133	3.3337810	3.3337810	3.3337810	3.3337810	4.5066839
##	[1]	-2.81998895	-2.27325578	-3.00223334	-2.45550017	-2.45550017	-2.27325578
##	[7]	-2.09101139	-1.54427822	-2.81998895	-2.63774456	-2.45550017	-2.45550017
##	[13]	-2.27325578	-2.27325578	-2.27325578	-2.09101139	-1.90876700	-1.72652261
##	[19]	-1.54427822	-1.54427822	-1.36203383	-1.36203383	-0.99754505	-0.99754505
##	[25]	-0.81530066	-0.81530066	-0.81530066	-0.63305627	-0.63305627	-0.63305627
##	[31]	-0.45081187	-3.00223334	-2.81998895	-2.81998895	-2.63774456	-2.63774456
##	[37]	-2.63774456	-2.45550017	-2.45550017	-2.27325578	-2.27325578	-2.09101139
##	[43]	-2.09101139	-1.90876700	-1.90876700	-1.90876700	-1.72652261	-1.72652261
##	[49]	-1.72652261	-1.72652261	-1.54427822	-1.54427822	-1.54427822	-1.54427822
##	[55]	-1.36203383	-1.36203383	-1.36203383	-1.36203383	-1.36203383	-1.17978944
##	[61]	-1.17978944	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505
##	[67]	-0.99754505	-0.81530066	-0.81530066	-0.81530066	-0.63305627	-0.63305627
##	[73]	-0.26856748	-0.26856748	-0.26856748	0.09592130	0.09592130	0.46041008
##	[79]	0.64265447	-3.73121091	-2.63774456	-2.45550017	-2.27325578	-2.27325578
##	[85]	-2.09101139	-2.09101139	-2.09101139	-1.90876700	-1.90876700	-1.90876700
##	[91]	-1.90876700	-1.90876700	-1.90876700	-1.90876700	-1.72652261	-1.72652261
##	[97]	-1.72652261	-1.72652261	-1.72652261	-1.54427822	-1.54427822	-1.54427822
##	[103]	-1.54427822	-1.54427822	-1.54427822	-1.54427822	-1.54427822	-1.54427822
##	[109]	-1.36203383	-1.36203383	-1.36203383	-1.36203383	-1.36203383	-1.36203383
##	[115]	-1.17978944	-1.17978944	-1.17978944	-1.17978944	-1.17978944	-1.17978944
##	[121]	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505
##	[127]	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505

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## [637] 0.46041008 0.46041008 0.46041008 0.64265447 0.64265447 0.6426  
5447  
## [643] 0.64265447 0.64265447 0.64265447 0.64265447 0.64265447 0.6426  
5447  
## [649] 0.64265447 0.64265447 0.64265447 0.82489886 0.82489886 0.8248  
9886  
## [655] 0.82489886 1.00714325 1.00714325 1.18938764 1.18938764 1.5538  
7642  
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## [733]	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.9975
4505						
## [739]	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.9975
4505						
## [745]	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.9975
4505						
## [751]	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.9975
4505						
## [757]	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.9975
4505						
## [763]	-0.99754505	-0.81530066	-0.81530066	-0.81530066	-0.81530066	-0.8153
0066						
## [769]	-0.81530066	-0.81530066	-0.81530066	-0.81530066	-0.81530066	-0.8153
0066						
## [775]	-0.81530066	-0.81530066	-0.81530066	-0.81530066	-0.81530066	-0.8153
0066						
## [781]	-0.81530066	-0.81530066	-0.81530066	-0.81530066	-0.81530066	-0.8153
0066						
## [787]	-0.81530066	-0.63305627	-0.63305627	-0.63305627	-0.63305627	-0.6330
5627						
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## [1951]	1.37163203	1.37163203	1.37163203	1.37163203	1.37163203	1.3716
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## [1957]	1.37163203	1.37163203	1.55387642	1.55387642	1.55387642	1.5538
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## [1963]	1.55387642	1.55387642	1.55387642	1.73612081	1.73612081	1.7361
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## [1969]	2.10060960	2.28285399	2.64734277	2.64734277	2.64734277	3.0118
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## [1975]	-1.90876700	-1.54427822	-1.36203383	-1.36203383	-1.17978944	-1.1797
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## [1981]	-1.17978944	-1.17978944	-0.99754505	-0.99754505	-0.99754505	-0.9975
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## [1987]	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.99754505	-0.9975
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## [1993]	-0.81530066	-0.81530066	-0.81530066	-0.81530066	-0.81530066	-0.8153
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## [1999]	-0.81530066	-0.63305627	-0.63305627	-0.63305627	-0.63305627	-0.6330
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## [2005]	-0.63305627	-0.63305627	-0.63305627	-0.63305627	-0.63305627	-0.6330
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## [2239]	0.64265447	0.64265447	0.64265447	0.64265447	0.64265447	0.6426
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## [2251]	0.64265447	0.82489886	0.82489886	0.82489886	0.82489886	0.8248
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## [2257]	0.82489886	0.82489886	0.82489886	0.82489886	0.82489886	0.8248
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## [2263]	0.82489886	0.82489886	0.82489886	0.82489886	0.82489886	0.8248
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## [2269]	0.82489886	0.82489886	0.82489886	0.82489886	0.82489886	0.8248
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## [2317]	1.00714325	1.00714325	1.18938764	1.18938764	1.18938764	1.1893
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## [2323]	1.18938764	1.18938764	1.18938764	1.18938764	1.18938764	1.1893
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## [2335]	1.18938764	1.37163203	1.37163203	1.37163203	1.37163203	1.3716
3203						
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## [2347]	1.37163203	1.37163203	1.55387642	1.55387642	1.55387642	1.5538
7642						
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7642						
## [2359]	1.55387642	1.55387642	1.73612081	1.73612081	1.73612081	1.7361
2081						
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2081						
## [2371]	1.73612081	1.73612081	1.91836520	1.91836520	1.91836520	2.1006
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## [2887]	1.37163203	1.55387642	1.55387642	1.55387642	1.55387642	1.55387642
7642						
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2081						
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5399						
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2081						
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## [2959]	1.91836520	1.91836520	2.10060960	2.10060960	2.28285399	2.28285399
5399						
## [2965]	2.28285399	2.28285399	2.28285399	2.46509838	3.01183155	3.01183155
3155						
## [2971]	3.01183155	0.64265447	0.82489886	0.82489886	1.00714325	1.18938764
8764						
## [2977]	1.91836520	1.91836520	1.91836520	2.10060960	2.10060960	2.28285399



```

5399
## [2983]  2.28285399  2.28285399  2.46509838  2.64734277  2.64734277  3.1940
7594
## [2989]  0.09592130  1.73612081  1.73612081  1.91836520  2.28285399  2.6473
4277
## [2995]  3.55856472  1.55387642  1.91836520  2.28285399  3.19407594 -0.6330
5627

```

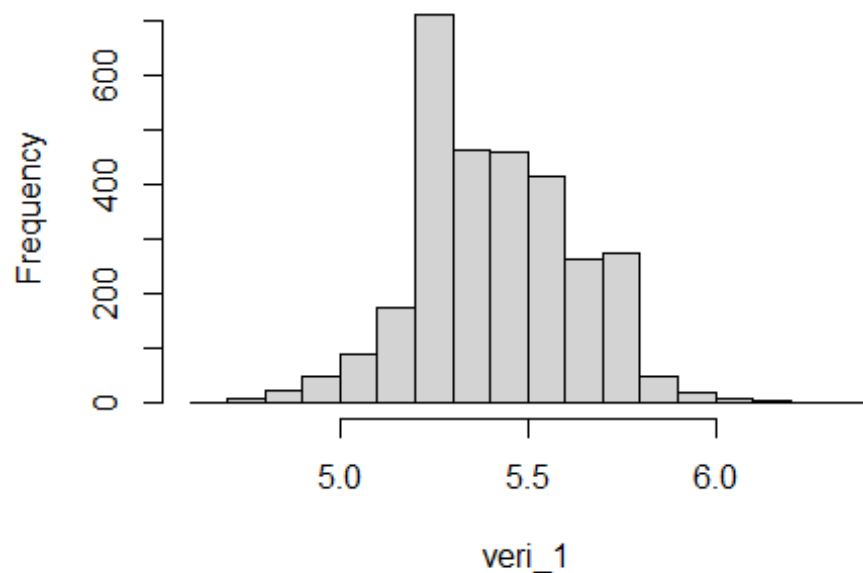
## Frekans (Frequency)

```

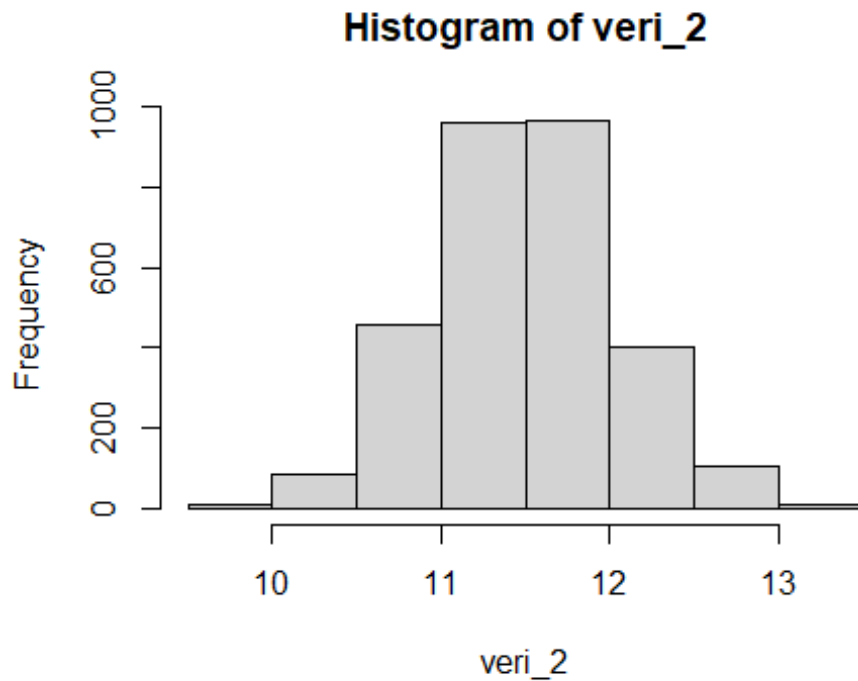
## $breaks
## [1] 4.6 4.7 4.8 4.9 5.0 5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9 6.0 6.1 6.2 6
.3 6.4
##
## $counts
## [1]  1   7  23  48  90 175 710 462 458 413 264 274  46  17   7   4   0
1
##
## $density
## [1] 0.003333333 0.023333333 0.076666667 0.160000000 0.300000000 0.5833333
33
## [7] 2.366666667 1.540000000 1.526666667 1.376666667 0.880000000 0.9133333
33
## [13] 0.153333333 0.056666667 0.023333333 0.013333333 0.000000000 0.0033333
33
##
## $mids
## [1] 4.65 4.75 4.85 4.95 5.05 5.15 5.25 5.35 5.45 5.55 5.65 5.75 5.85 5.95
6.05
## [16] 6.15 6.25 6.35
##
## $xname
## [1] "veri_1"
##
## $equidist
## [1] TRUE
##
## attr(,"class")
## [1] "histogram"

```

Histogram of veri\_1



```
## $breaks
## [1]  9.5 10.0 10.5 11.0 11.5 12.0 12.5 13.0 13.5
##
## $counts
## [1]  12  84 458 960 967 402 106  11
##
## $density
## [1] 0.008000000 0.056000000 0.305333333 0.640000000 0.644666667 0.268000000
0
## [7] 0.070666667 0.007333333
##
## $mids
## [1]  9.75 10.25 10.75 11.25 11.75 12.25 12.75 13.25
##
## $xname
## [1] "veri_2"
##
## $equidist
## [1] TRUE
##
## attr(,"class")
## [1] "histogram"
```

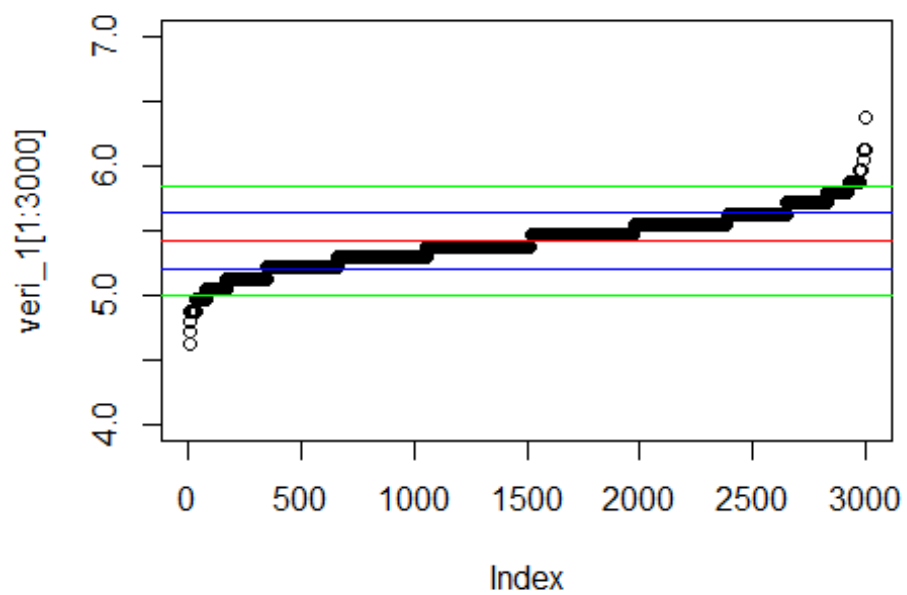


## Stem-and-Leaf

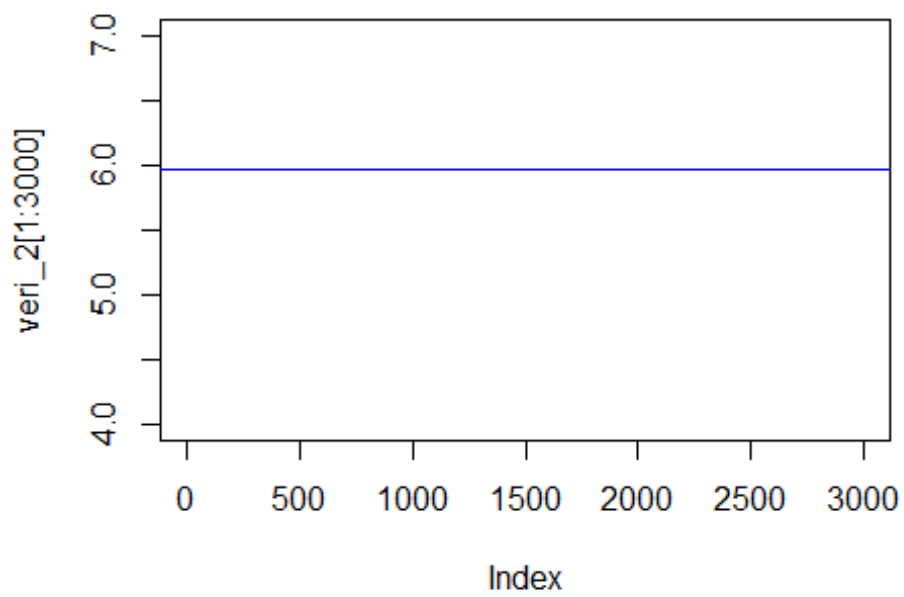
## Plot

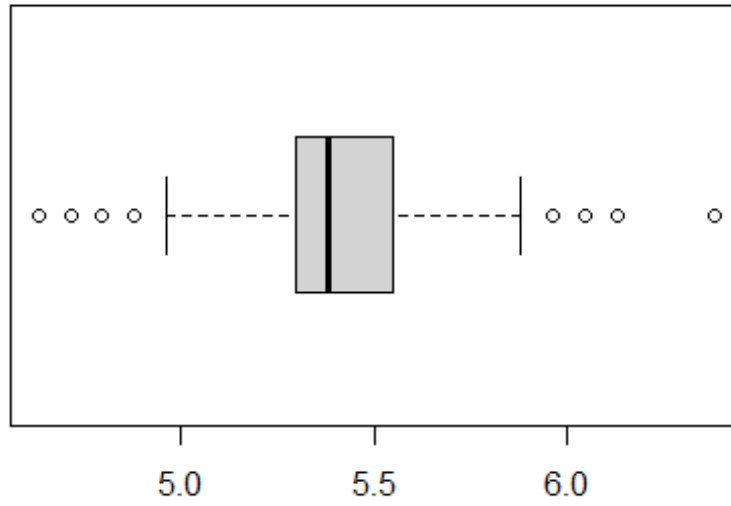
[illegible]

[illegible]

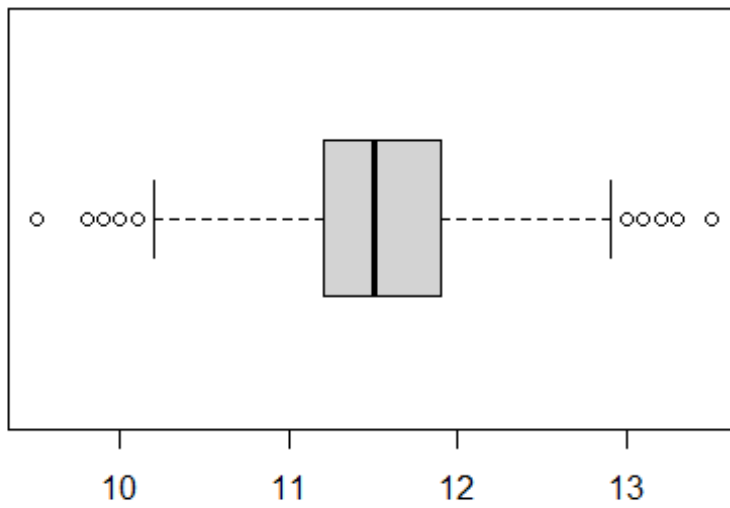


**Plot**





**Box plot**



**Kovaryans**

```
## [1] 0.07668908
```

**Korelasyon Katsayısı**

```
## [1] 0.6557069
```

## Popülasyon

```
##      agirlik  
## Min.   : 59.0  
## 1st Qu.:100.0  
## Median :109.0  
## Mean   :109.6  
## 3rd Qu.:119.0  
## Max.   :158.0
```

