

TestResults_Output

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04/08/2015

Load libraries.

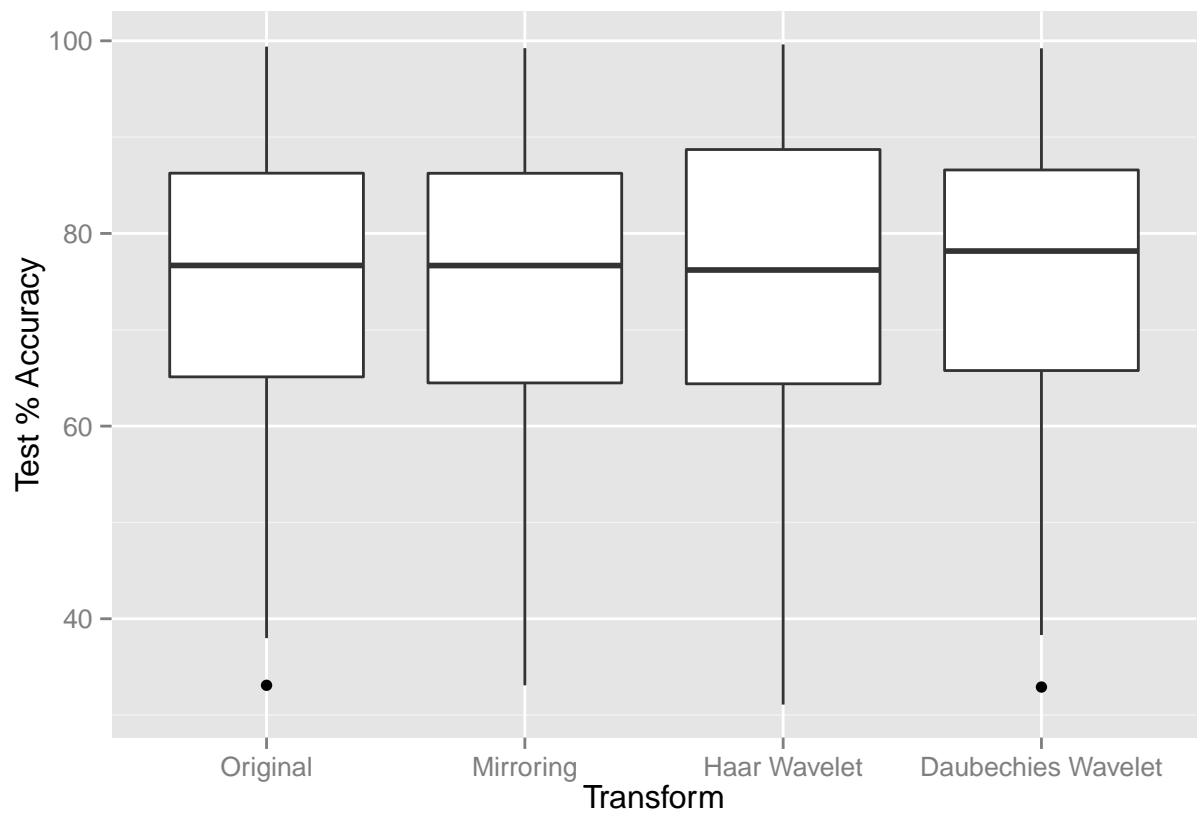
```
##
## Attaching package: 'dplyr'
##
## The following object is masked from 'package:stats':
##
##   filter
##
## The following objects are masked from 'package:base':
##
##   intersect, setdiff, setequal, union
```

Read in and munge data.

Numerical Summary

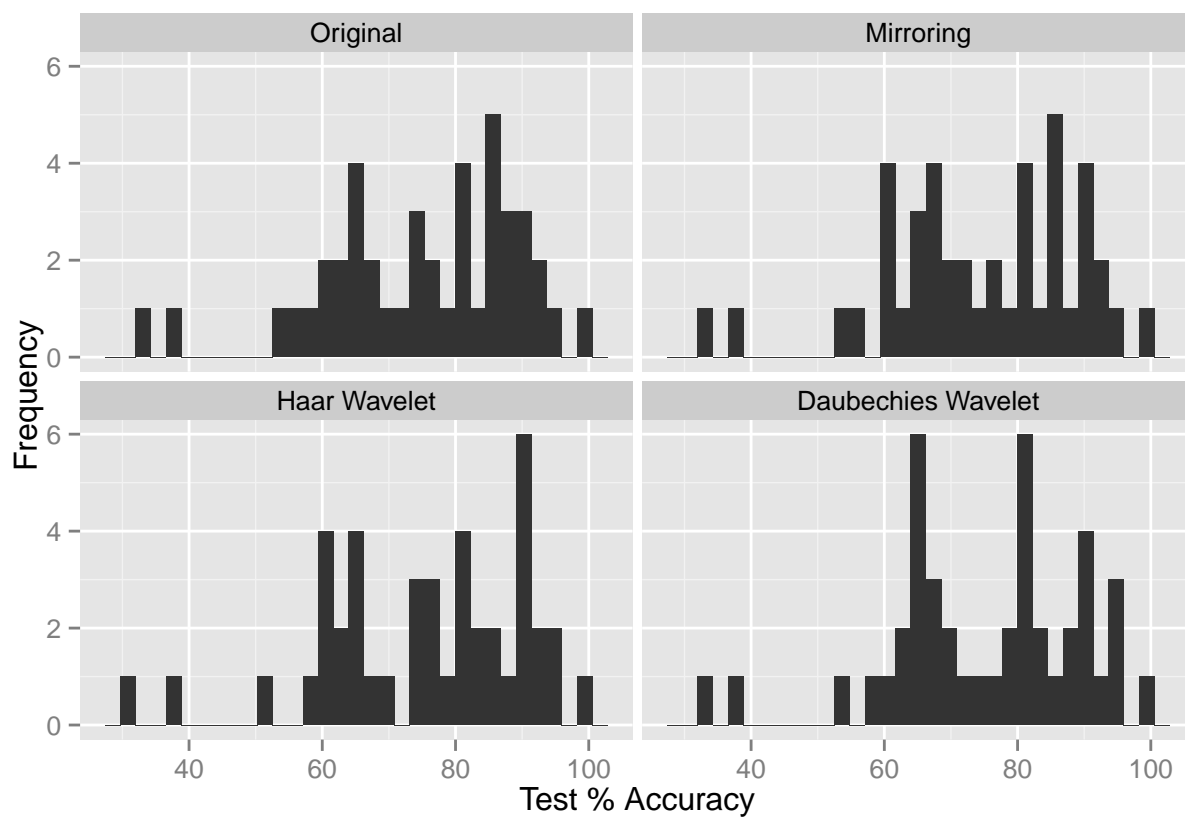
```
## Numerical Summary:
results %>% select(Transform,KNN.Test) %>% group_by(Transform) %>% summarise_each(funs(mean,sd,skewness))
```

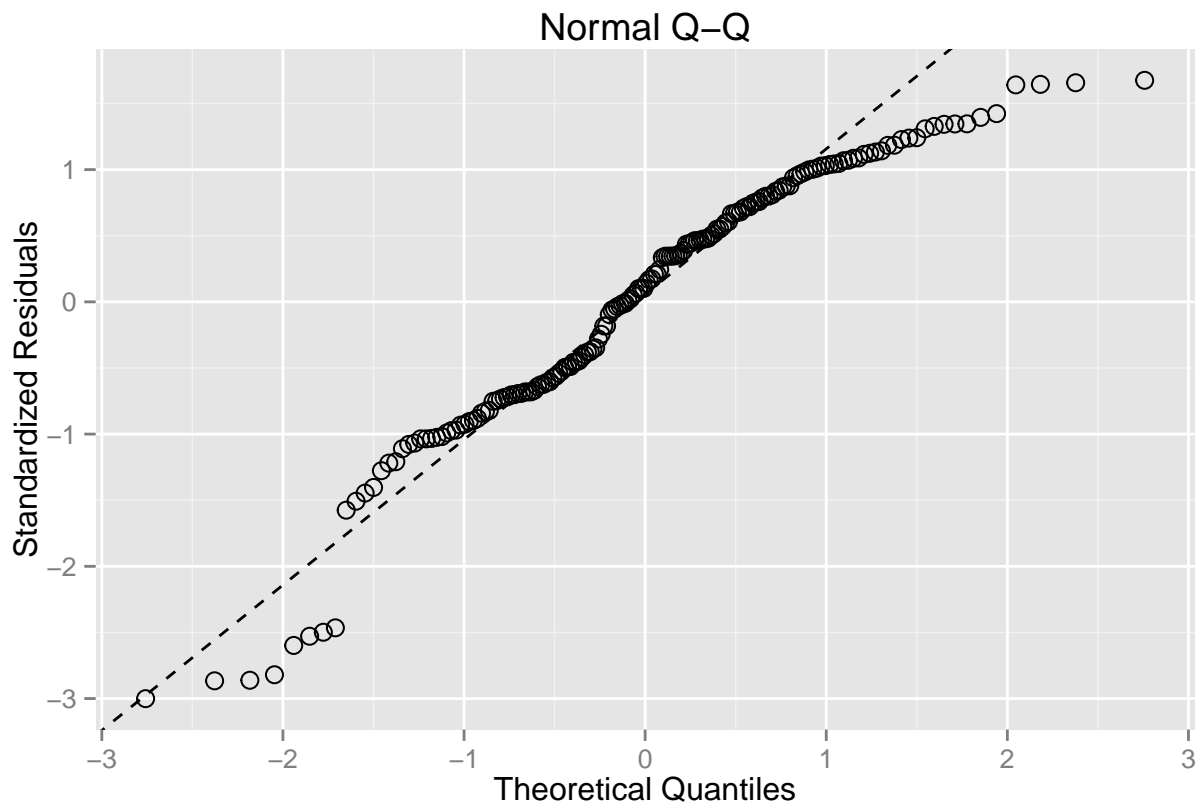
```
## Source: local data frame [4 x 4]
##
##   Transform      mean      sd  skewness
## 1 Original 75.19960 14.75643 -0.7516030
## 2 Mirroring 74.58733 14.76028 -0.6387128
## 3 Haar Wavelet 75.24747 15.26206 -0.7584041
## 4 Daubechies Wavelet 75.07942 14.77124 -0.6674445
```



Print Plots:

```
## stat_bin: binwidth defaulted to range/30. Use 'binwidth = x' to adjust this.  
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```





Set up for ANOVAs.

Print Model Summaries

```
## Type I Summary
summary(aovmod)
```

```
##           Df Sum Sq Mean Sq F value Pr(>F)
## Transform    3     12    3.93   0.018  0.997
## Residuals  168  37243  221.68
```

```
## Print the more typical Type III residual SS
drop1(aovmod,~,test="F")
```

```
## Single term deletions
##
## Model:
## KNN.Test ~ Transform
##           Df Sum of Sq  RSS    AIC F value Pr(>F)
## <none>                 37243 932.97
## Transform  3     11.801 37255 927.02  0.0177 0.9968
```

```
## Non-parametric Kruskal-Wallis Rank Sum Test
kruskal.test(x = results$KNN.Test,g=results$Transform,data=results)
```

```
##  
## Kruskal-Wallis rank sum test  
##  
## data: results$KNN.Test and results$Transform  
## Kruskal-Wallis chi-squared = 0.0332, df = 3, p-value = 0.9984
```