TestResults_Output

Rob

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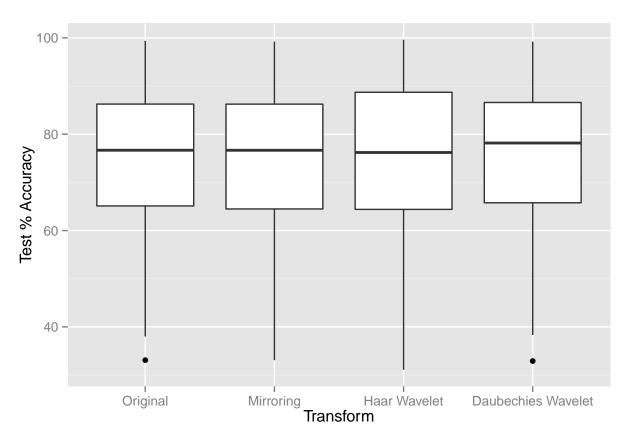
Load libraries.

```
##
## 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

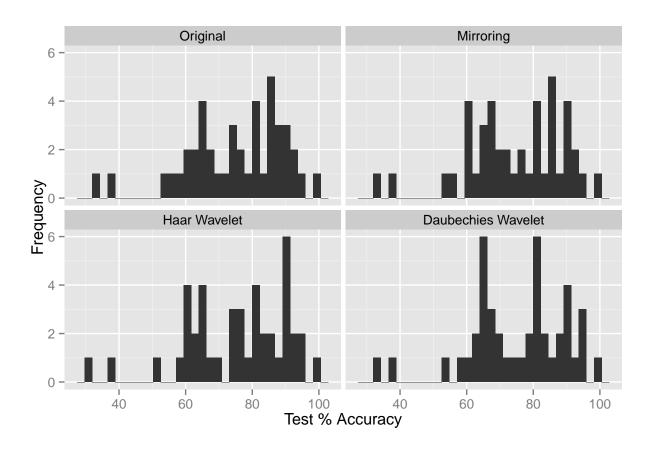
```
## Numerical Summary:
results %>% select(Transform,KNN.Test) %>% group_by(Transform) %>% summarise_each(funs(mean,sd,skewness
## Source: local data frame [4 x 4]
##
```

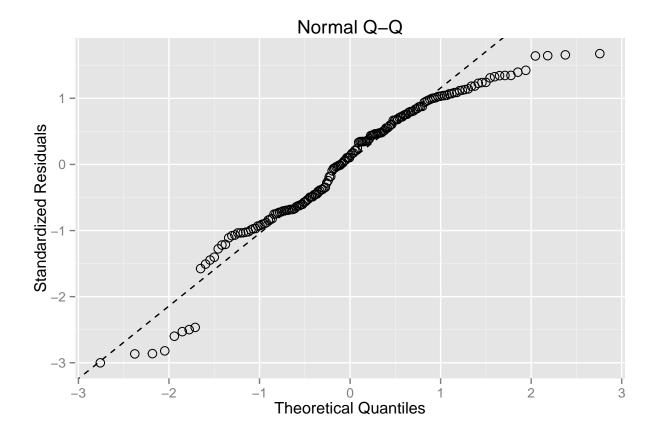
1 Original 75.19960 14.75643 -0.7516030 ## 2 Mirroring 74.58733 14.76028 -0.6387128 ## 3 Haar Wavelet 75.24747 15.26206 -0.7584041 ## 4 Daubechies Wavelet 75.07942 14.77124 -0.6674445



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)
                       12
                             3.93
                                    0.018 0.997
## Transform
                 3
## 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
##
                                   AIC F value Pr(>F)
                            RSS
                          37243 932.97
## <none>
                   11.801 37255 927.02 0.0177 0.9968
## Transform 3
## 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
```