K-W on transformed survey data

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```
> survey_data <- read.table("I:/big survey paper/survey_data.csv",
+   header=TRUE, sep=",", na.strings="NA", dec=".", strip.white=TRUE)
```

```
> with(survey_data, tapply(ln_temperature, location, median, na.rm=TRUE))
```

```
  indoor  outdoor
3.277145 3.397858
```

```
> kruskal.test(ln_temperature ~ location, data=survey_data)
```

```

    Kruskal-Wallis rank sum test

data:  ln_temperature by location
Kruskal-Wallis chi-squared = 6.8397, df = 1, p-value = 0.008916
```

```
> with(survey_data, tapply(ln_temperature, manner, median, na.rm=TRUE))
```

```
    accident     homicide      natural      suicide undetermined
    3.373881     3.421000     3.273357     3.202672     3.363842
```

```
> kruskal.test(ln_temperature ~ manner, data=survey_data)
```

```

    Kruskal-Wallis rank sum test

data:  ln_temperature by manner
Kruskal-Wallis chi-squared = 11.708, df = 4, p-value = 0.01966
```

```
> with(survey_data, tapply(ln_temperature, decomp, median, na.rm=TRUE))
```

```
advanced    early moderate     none skeletal
3.303217 3.290264 3.277145 3.330767 3.437161
```

```
> kruskal.test(ln_temperature ~ decomp, data=survey_data)
```

```
    Kruskal-Wallis rank sum test

data:  ln_temperature by decomp
Kruskal-Wallis chi-squared = 1.9573, df = 4, p-value = 0.7436
```

```
> with(survey_data, tapply(ln_RH, location, median, na.rm=TRUE))
```

```
  indoor  outdoor
3.970292 4.025192
```

```
> kruskal.test(ln_RH ~ location, data=survey_data)
```

```
    Kruskal-Wallis rank sum test

data:  ln_RH by location
Kruskal-Wallis chi-squared = 2.7817, df = 1, p-value = 0.09534
```

```
> with(survey_data, tapply(ln_RH, manner, median, na.rm=TRUE))
```

```
    accident     homicide      natural      suicide undetermined
    3.931826     4.158761     3.951244     3.988813     4.110874
```

```
> kruskal.test(ln_RH ~ manner, data=survey_data)
```

```
    Kruskal-Wallis rank sum test

data:  ln_RH by manner
Kruskal-Wallis chi-squared = 13.867, df = 4, p-value = 0.007733
```

```
> with(survey_data, tapply(ln_RH, decomp, median, na.rm=TRUE))
```

```
advanced    early moderate     none skeletal
4.043051 3.988813 3.970292 4.060294 4.007333
```

```
> kruskal.test(ln_RH ~ decomp, data=survey_data)
```

```
    Kruskal-Wallis rank sum test

data:  ln_RH by decomp
Kruskal-Wallis chi-squared = 3.0391, df = 4, p-value = 0.5513
```

```
> with(survey_data, tapply(ln_TOC, location, median, na.rm=TRUE))
```

```
  indoor  outdoor
1.945910 1.386294
```

```
> kruskal.test(ln_TOC ~ location, data=survey_data)
```

```
    Kruskal-Wallis rank sum test

data:  ln_TOC by location
Kruskal-Wallis chi-squared = 3.6595, df = 1, p-value = 0.05575
```

```
> with(survey_data, tapply(ln_TOC, manner, median, na.rm=TRUE))
```

```
    accident     homicide      natural      suicide undetermined
    1.098612     1.098612     1.945910     2.397895     2.564949
```

```
> kruskal.test(ln_TOC ~ manner, data=survey_data)
```

```
    Kruskal-Wallis rank sum test

data:  ln_TOC by manner
Kruskal-Wallis chi-squared = 25.338, df = 4, p-value = 4.302e-05
```

```
> with(survey_data, tapply(ln_TOC, decomp, median, na.rm=TRUE))
```

```
 advanced     early  moderate      none  skeletal
2.8332133 1.0986123 1.6094379 0.6931472 3.8162006
```

```
> kruskal.test(ln_TOC ~ decomp, data=survey_data)
```

```
    Kruskal-Wallis rank sum test

data:  ln_TOC by decomp
Kruskal-Wallis chi-squared = 71.849, df = 4, p-value = 9.238e-15
```