## VISUAL SUMMARY

## The Wilcoxon $T$ Test

Compute the differences between the pairs.

Eliminate from further analysis all pairs that result in a zero difference.

Rank the differences according to absolute value, with the rank of 1 going to the smallest difference.

Assign the ranks to groups according to the sign of the computed difference.

Sum the plus ranks:
$\sum R_{+}$
Sum the minus ranks:

$\sum R$

Wilcoxon $T$ is the smaller of the $\sum R_{+}$or $\sum R_{-}$.

Use the number of signed ranks to enter Table W and find the critical value.

If the Wilcoxon $T$ is less than or equal to the critical value, then reject $H_{0}$.

