

Proportion of Significant P-values

- Wilcoxon Test
- Log-ANOVA  $c=1$
- Two-Part Wilcoxon Test
- Permutation Test
- Tweedie Regression
- Two-Part Welch-Test
- ANOVA
- Log-ANOVA  $c=0.001$
- Zero-Inflated Gamma
- Zero-Inflated Lognormal
- Median Regression
- Quantile Regression  $\tau=0.75$

1.00

0.75

0.50

0.25

0.00

Equal expected  
gap time

Shorter gap times in the experimental group

10 7 5 3.5 2.5 2 1.5 1 1.5<sup>-1</sup> 2<sup>-1</sup> 2.5<sup>-1</sup> 3.5<sup>-1</sup> 5<sup>-1</sup> 7<sup>-1</sup> 10<sup>-1</sup>

Factor (Experimental/Control) for expected gap time between event episodes