

Migratory/Stationary Study Stats One-sheet:

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Experiment 1: Migratory vs Stationary

- **DWV Load** (repeated measures ANOVA)
 - Treatment = $(F(1,1) = 0.004, p = 0.952)$
 - Time = $(F(1,1) = 39.328, p = 0.00000003.85) **$
 - Treatment:Time = $(F(1,1) = 0.159, p = 0.691)$
- **DWV Prevalence** (generalized linear model)
 - Treatment = $(\chi_1^2 = 0.0670, p = 0.7958)$
 - Time = $(\chi_1^2 = 15.8046, p = 0.00007023) **$
 - Treatment:Time = $(\chi_1^2 = 0.0235, p = 0.8781)$
- **BQCV Load** (repeated measures ANOVA)
 - Treatment = $(F(1,1) = 16.49, p = 0.000323) **$
 - Time = $(F(1,1) = 187.235, p < 2e-16) **$
 - Treatment:Time = $(F(1,1) = 2.229, p = 0.14)$
- **Varroa Load** (repeated measures ANOVA)
 - Treatment = $(F(1,1) = 1.562, p = 0.22)$
 - Time = $(F(1,1) = 25.583, p = 0.00000403) **$
 - Treatment:Time = $(F(1,1) = 7.903, p = 0.0066) **$
- **Frames of Bees** (repeated measures ANOVA)
 - Treatment = $(F(1,1) = 3.939, p = 0.0567)$
 - Time = $(F(1,1) = 152.822, p = < 2e-16) ***$
 - Treatment:Time = $(F(1,1) = 5.497, p = 0.0223) **$
- **Brood Pattern** (repeated measures ANOVA)
 - Treatment = $(F(1,1) = 1.722, p = 0.199)$
 - Time = $(F(1,1) = 48.113, p = 2.77e-09) **$
 - Treatment:Time = $(F(1,1) = 1.105, p = 0.297)$

Experiment 2: Exposed vs Stationary (control)

- **DWV Load** (repeated measures ANOVA)
 - Treatment = $(F(1,1) = 2.056, p = 0.162)$
 - Time = $(F(1,1) = 23.510, p = 3.57e-05) **$
 - Treatment:Time = $(F(1,1) = 9.229, p = 0.0049) **$

- **DWV Prevalence** (generalized linear model)
 - Treatment = ($\chi_1 = 0.0251$, $p = 0.874164$)
 - Time = ($\chi_1 = 8.8113$, $p = 0.002994$)**
 - Treatment:Time = ($\chi_1 = 4.9447$, $p = 0.026171$) **
- **BQCV Load** (repeated measures ANOVA)
 - Treatment = ($F(1,1) = 0.045$, $p = 0.834$)
 - Time = ($F(1,1) = 83.307$, $p = 3.67e-10$) **
 - Treatment:Time = ($F(1,1) = 0.156$, $p = 0.696$)
- **Varroa Load** (repeated measures ANOVA)
 - Treatment = ($F(1,1) = 0.005$, $p = 0.943$)
 - Time = ($F(1,1) = 12.683$, $p = 0.00125$) **
 - Treatment:Time = ($F(1,1) = 0.268$, $p = 0.60858$)
- **Frames of Bees** (repeated measures ANOVA)
 - Treatment = ($F(1,1) = 2.068$, $p = 0.16112$)
 - Time = ($F(1,1) = 87.109$, $p = 3.08e-10$) **
 - Treatment:Time = ($F(1,1) = 8.903$, $p = 0.00573$) **
- **Brood Pattern** (repeated measures ANOVA)
 - Treatment = ($F(1,1) = 0.069$, $p = 0.795$)
 - Time = ($F(1,1) = 0.104$, $p = 0.749$)
 - Treatment:Time = ($F(1,1) = 0.128$, $p = 0.723$)