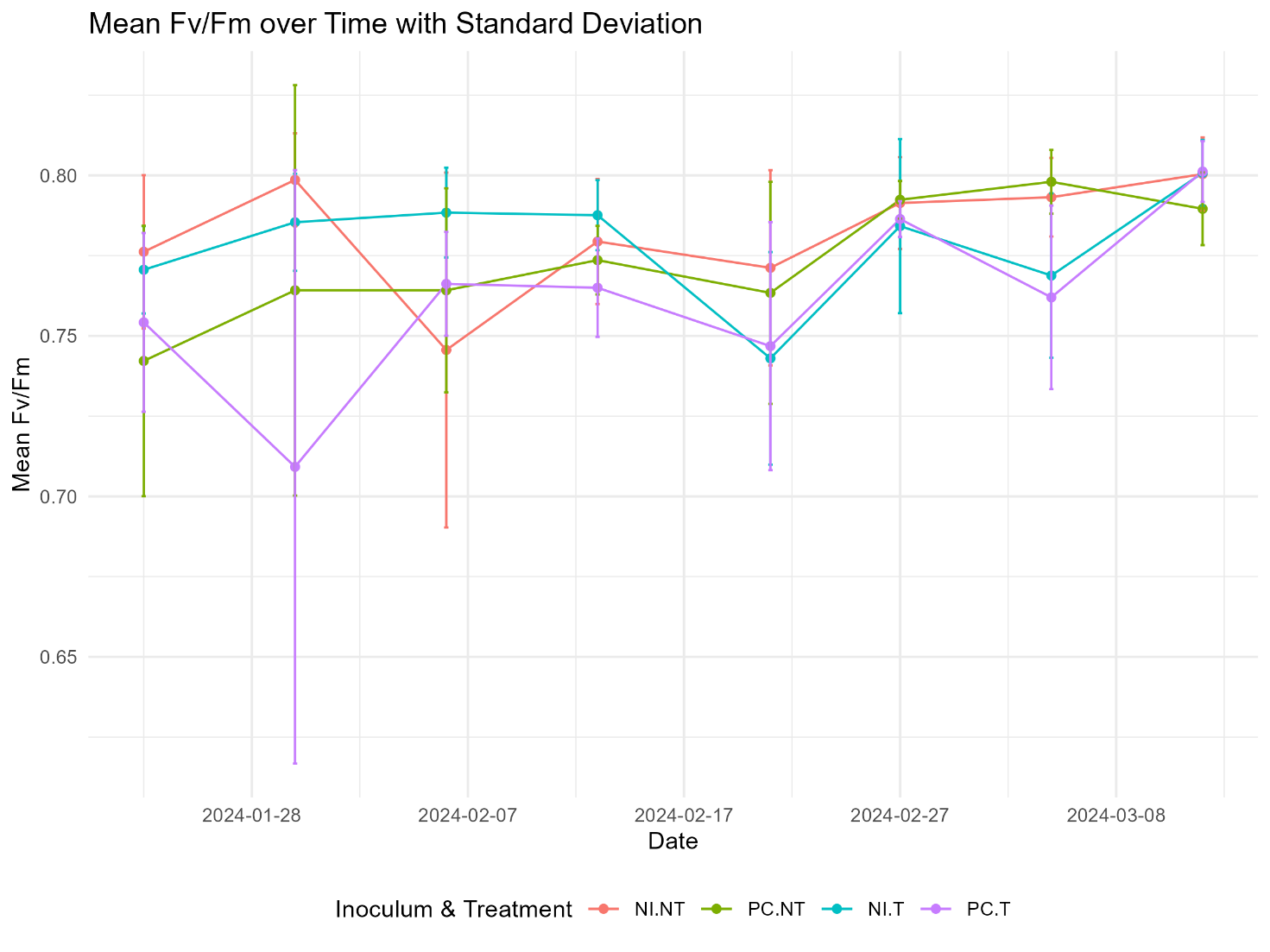
**FLUORESCENZA**

****

**ANOVA**

> # Esegui l'analisi della varianza (ANOVA)

> anova\_result <- aov(`Fv/Fm` ~ inoculum + treatment + inoculum:treatment, data = fluo)

> summary(anova\_result)

Df Sum Sq Mean Sq F value Pr(>F)

inoculum 1 0.00664 0.006644 5.773 0.0174 \*

treatment 1 0.00239 0.002395 2.081 0.1511

inoculum:treatment 1 0.00075 0.000753 0.654 0.4199

Residuals 156 0.17952 0.001151

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

# C’è una differenza significativa solo tra PC e NI (P-value 0.0174)

**Compute Tukey Honest Significant Differences**

> lsd\_result <- TukeyHSD(anova\_result)

> # Mostra i risultati del test di Scheffé (LSD)

> print(lsd\_result)

Tukey multiple comparisons of means

95% family-wise confidence level

Fit: aov(formula = `Fv/Fm` ~ inoculum + treatment + inoculum:treatment, data = fluo)

$inoculum

diff lwr upr p adj

PC-NI -0.0128875 -0.02348237 -0.002292633 0.0174481

$treatment

diff lwr upr p adj

T-NT -0.0077375 -0.01833237 0.002857367 0.1511478

$`inoculum:treatment`

diff lwr upr p adj

PC:NT-NI:NT -0.008550 -0.0282489 0.0111488963 0.6733471

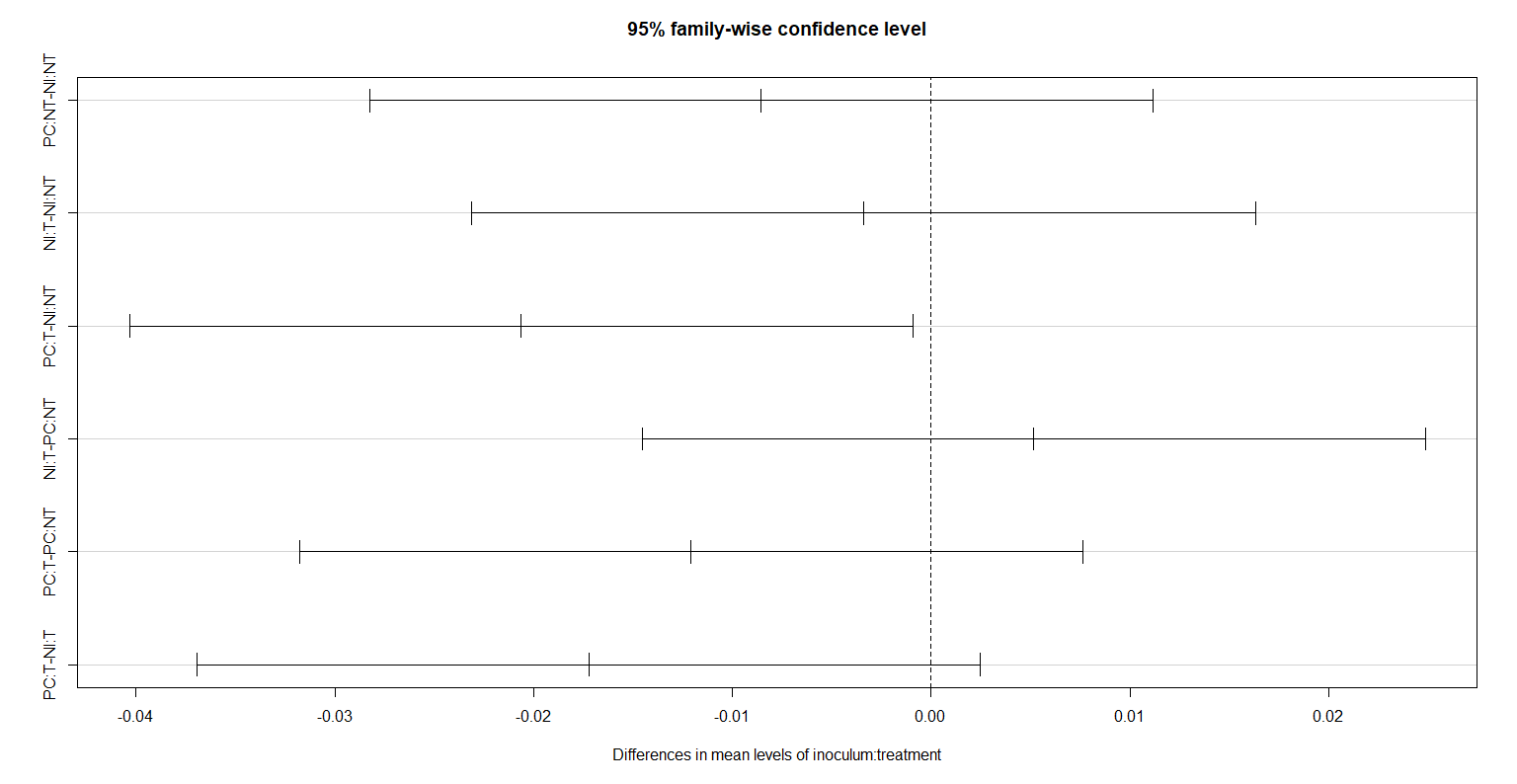
NI:T-NI:NT -0.003400 -0.0230989 0.0162988963 0.9698821

PC:T-NI:NT -0.020625 -0.0403239 -0.0009261037 0.0362874

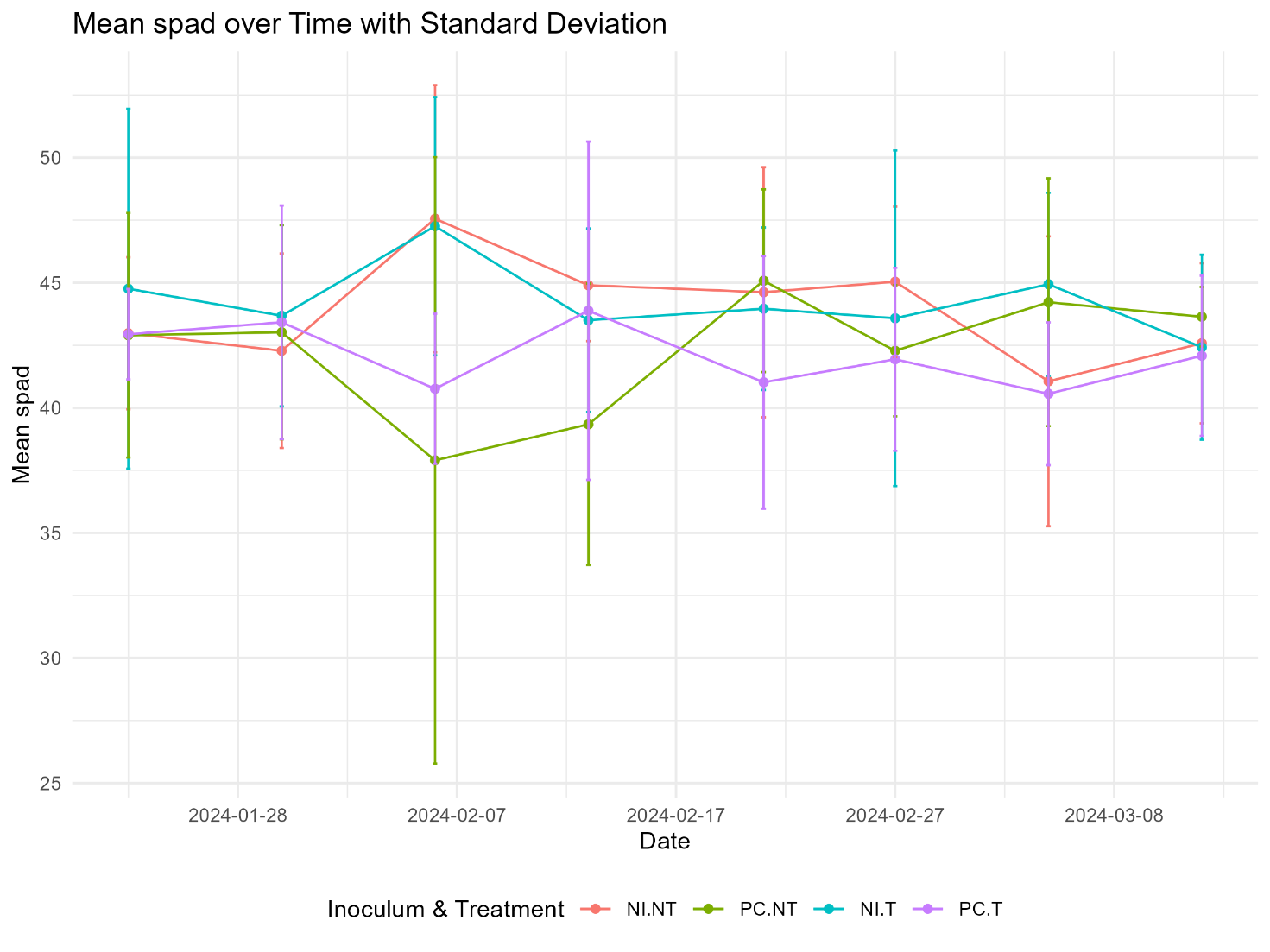
NI:T-PC:NT 0.005150 -0.0145489 0.0248488963 0.9049623

PC:T-PC:NT -0.012075 -0.0317739 0.0076238963 0.3862346

PC:T-NI:T -0.017225 -0.0369239 0.0024738963 0.1093765

****

**SPAD**

****

**ANOVA**

> # Esegui l'analisi della varianza (ANOVA)

> anova\_result <- aov(Value ~ inoculum + treatment + inoculum:treatment, data = spad)

> summary(anova\_result)

Df Sum Sq Mean Sq F value Pr(>F)

inoculum 1 142 141.94 6.522 0.0116 \*

treatment 1 0 0.26 0.012 0.9124

inoculum:treatment 1 4 3.69 0.170 0.6811

Residuals 156 3395 21.76

---

Signif. codes: 0 ‘\*\*\*’ 0.001 ‘\*\*’ 0.01 ‘\*’ 0.05 ‘.’ 0.1 ‘ ’ 1

**Compute Tukey Honest Significant Differences**

> # Esegui il test di Scheffé (LSD) per confronti multipli

> lsd\_result <- TukeyHSD(anova\_result)

> # Mostra i risultati del test di Scheffé (LSD)

> print(lsd\_result)

Tukey multiple comparisons of means

95% family-wise confidence level

Fit: aov(formula = Value ~ inoculum + treatment + inoculum:treatment, data = spad)

$inoculum

diff lwr upr p adj

PC-NI -1.88375 -3.340746 -0.4267537 0.0116124

$treatment

diff lwr upr p adj

T-NT 0.08125 -1.375746 1.538246 0.9124298

$`inoculum:treatment`

diff lwr upr p adj

PC:NT-NI:NT -1.5800 -4.288974 1.128974 0.4312026

NI:T-NI:NT 0.3850 -2.323974 3.093974 0.9827710

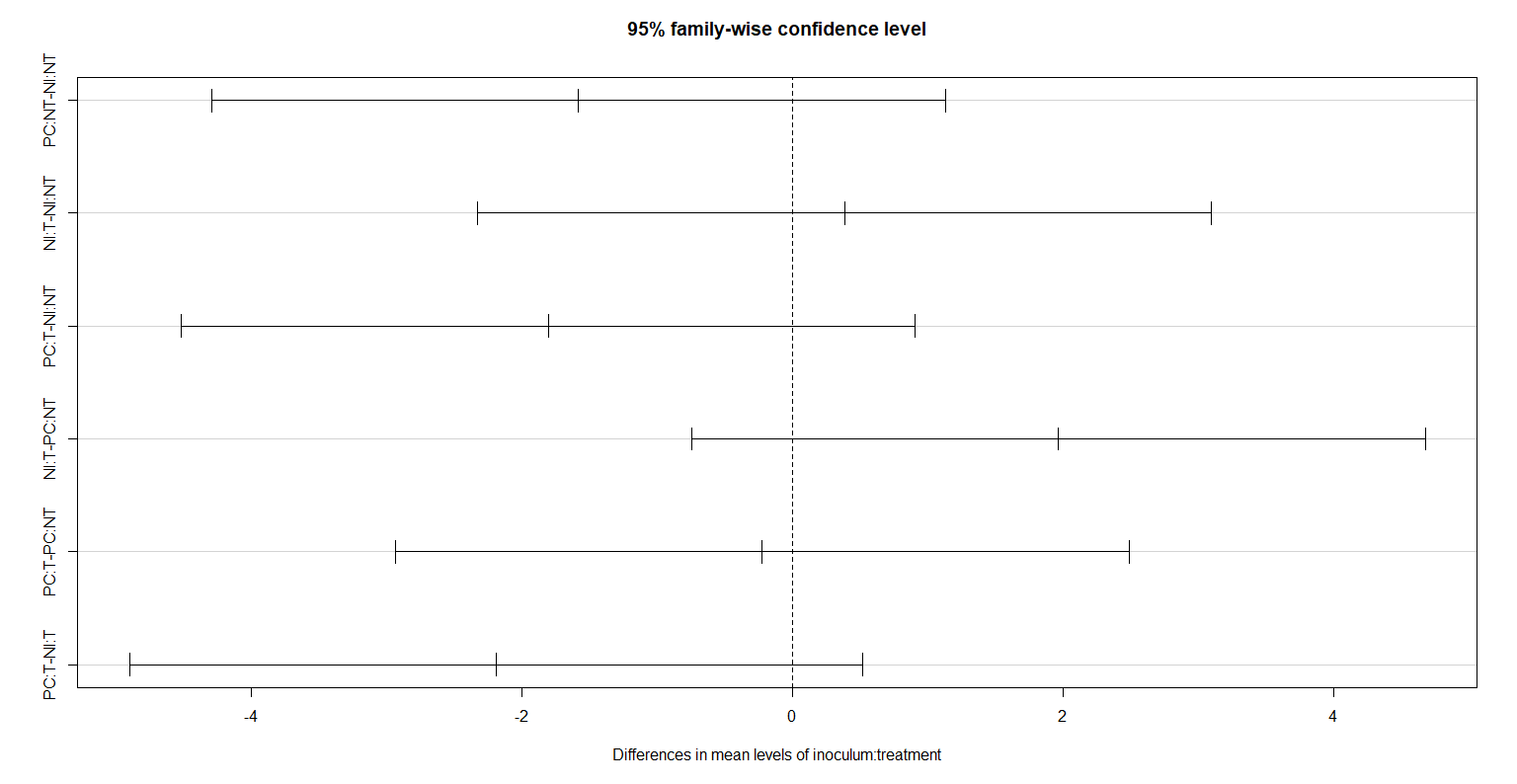
PC:T-NI:NT -1.8025 -4.511474 0.906474 0.3127312

NI:T-PC:NT 1.9650 -0.743974 4.673974 0.2392427

PC:T-PC:NT -0.2225 -2.931474 2.486474 0.9965580

PC:T-NI:T -2.1875 -4.896474 0.521474 0.1586047

NON CI SONO DELLE DIFFERENZE TRA LE INTERAZIONI INOCULO-TRATTAMENTO

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