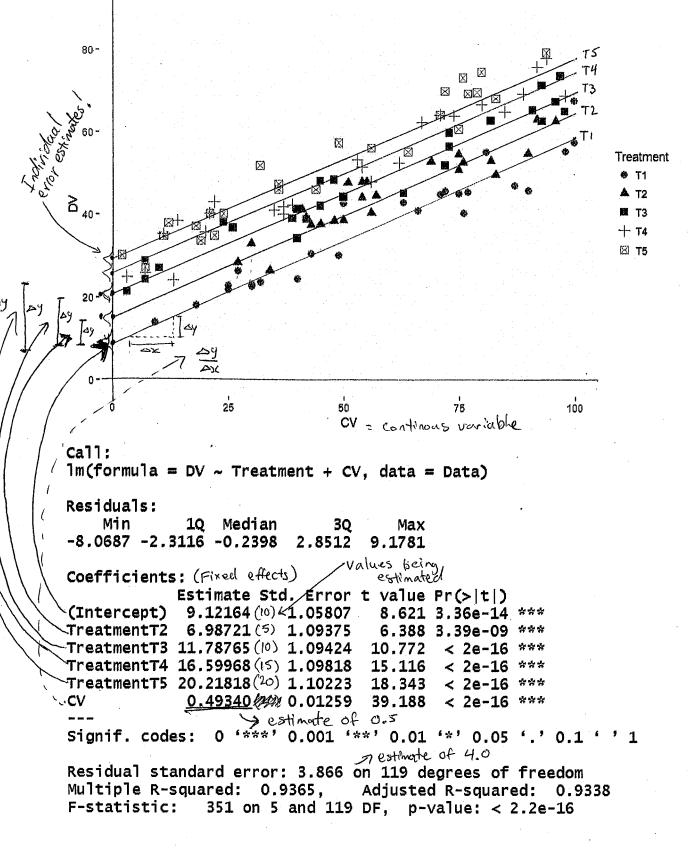
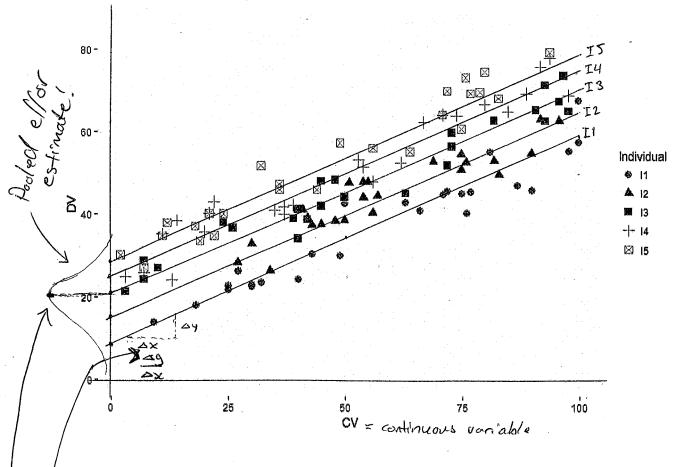
ANCOVA model



Mixed-effects model



Linear mixed model fit by REML t-tests use Satterthwaite approximations to degrees of freedom []merMod]

Formula: $DV \sim CV + (1 \mid Individual)$

Data: Data

REML criterion at convergence: 716.7

Scaled residuals:

1Q Median -2.07716 -0.60637 -0.06504 0.71424

Random effects: estimate of 4.0 Groups Name Variance Std.Dev. 7.929 Individual (Intercept) 62.87

3.866 14.95

Number of obs: (125) groups: Individual 5

nextinate of 20 Fixed effects:

Estimate Std. Error df t value Pr(>|t|) (Intercept) 20.26046 4.29000 5.588 0.00409 ** 3.62549 0.01259 119.07000 39.163 < 2e-16 *** ·CV 0.49302

yestimate of 0.5 Signif. codes: 0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Correlation of Fixed Effects:

(Intr) CV -0.185 would fell us about variation in selection strength acrosdividuals

> in an RSF this would tell us the strength and direction of selection for a particular recource

Should I Include or as a random effect? oc is continuous & is a factor acumunante with discrete le vels No! Fixed effect the beliess of ac the levels of are manked as have no eg. "Low", "Med", "High" rank or bins of a nameric variable how many No! fixed effect levels of x do you house? N= so many levels N is a sufficient There are too eg . tevet of observations few levels to eg to estimate a estimate a normal normal distribution distribution ппп introept infloreert Not fixed effect lam specifically lam interested in in the difference generalizing to the but I want to between the population of which account for unequal Specific levels of sample sizes between the levels of x are x that I chose pevels! a part fixed affects do that too Fixed but my the focus of effect is what

you wante ony

dad all along

fine, but be clear that you are not generalizing to the population:

levels occupy my tables is a nusance!

my study is not on x, and having the