

Test 2 Corrections *Justin Pantella*

① Model : $R^2_{adj} = .712$

Int.	43	.8864
pH	414	0
K	-1.00	0
Loc SI	-497.6	.0041
Loc SM	58.14	.6010

- A) ~~correct~~.
- B) incorrect.
- C) correct
- D) incorrect

A, C

③ Unusual with respect to soil pH and K

65 sresid 7, lev .2
 9 sresid 0, lev .15
 53 sresid -3, lev .5

B, C, D

- ④ Most likely unusual with respect to biomass
• with respect to IZFSPONSE,
not predictors

Leverage depends only on the value of the predictor and not the response

Std. resid show unusual responses for a given set of predictors

b5 ✓

b6 ✓

9 X sresid 0

b3 ✓

A, B, D

⑤ S.1

Model: Int. 93.6 0

Alc. -3.26 0

Smoke -23.43 0

Holding smoking constant, we expect someone who has an ~~e~~ drink per day to live 3.2656 less years on average than someone who doesn't drink

7.2 In this case, an ANOVA F-test will be more reliable due to multicollinearity between predictors