Principle: Occums Razan: All other thirs being equal, simple explanations are better when selecting which model is "best", you wall to belon ce goodness - of - fif is completely how nell does model At points & har under Use onre amples model it complexity is war antid. For Deta in Modern Die Fry 68 - Sinder pomallel stres mole his kit parameters - Complex interaction madel his k= 6 para reform. Using the eyeball tost, lest prehs the simpler model Numerial reasons to model

selection: Recal (2) = (0, 1) - it regression if pour's regression line atall D Radj = 1 (n-1) re no # of points

K= " " param

R*= R* balances Fit as represented by vs complexity as Ex. As R2 A (1- e2) L 1-12) A At 85 bett Ex: As ke denomination m-(441) L Em (1-12) + [1-24]

a) complexity of melel goos of Padi to Monal: Models with layer Bads m to be prefered. For deta in Modern Die Rights ble interctual model has keep us parellel slopes malel 5 k= 4, More complex, it has a lover Rid; of 0.694 (y 0.696)

(2) Akaike Infamition Criteria AIC I another unnerical means for nodel selection where models with smiller AIC are to be preferred. AIC = 2k - 2 log-likelihood Aft to by-like lihad. I complexity to H

a) All other thing being equal, a) malely set we complex i.e. have large K.

All I

b) All other things being equal, as modely Aff the projects of hearth of the likelihood of, then - 2 = by-likelihood b, then Alc b

ble parallel stress model
how here AC (2250 s
3283), you are last to select
this midel over the more
unider interaction model