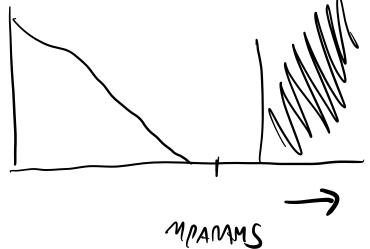
55**p**



GENES 2000 CEILS 1000

BACTERIAL SPECIES ~104

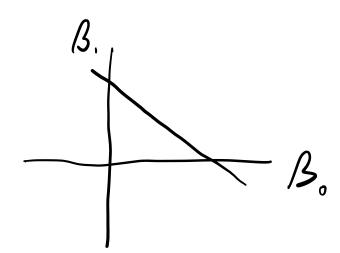
CATOUTS 10

RIDGE RPERSSION

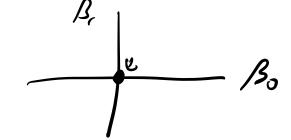


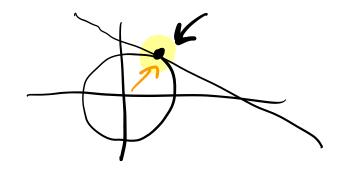
MINIMIZE

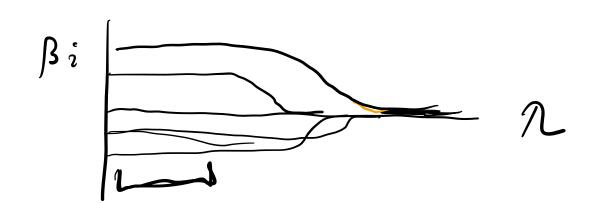
SSR + $\chi \sum_{i}^{2} \Lambda_{i}^{2}$



Bot Biz = const

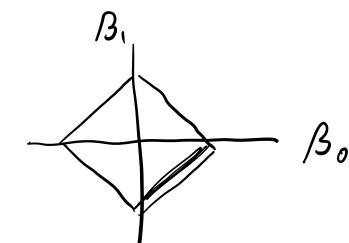


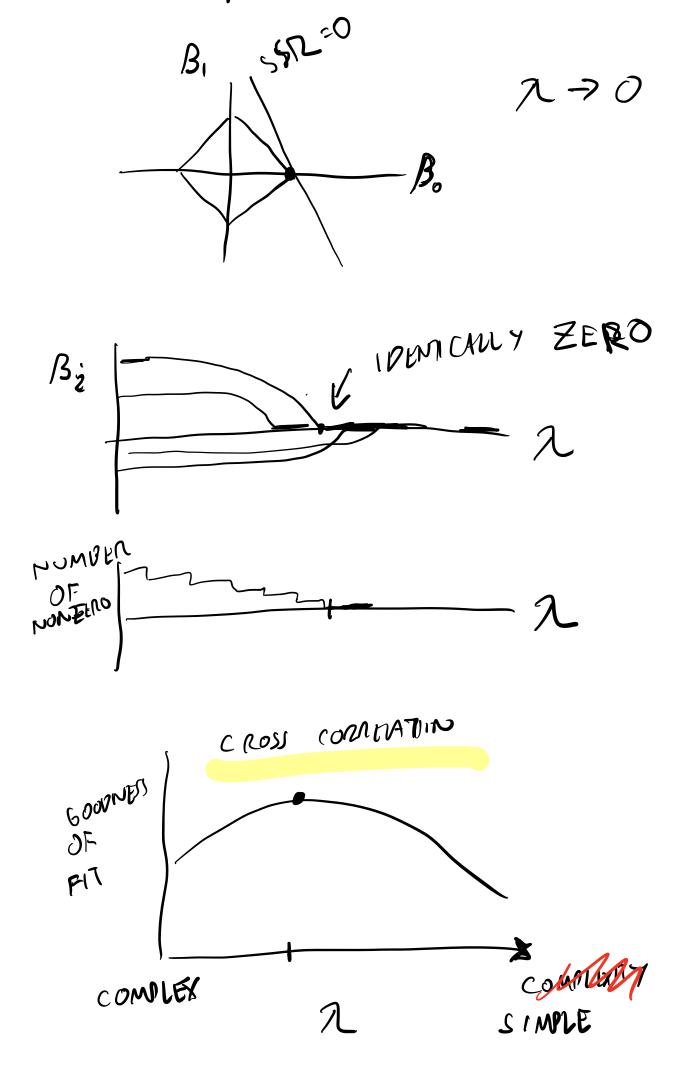




LASSO RE GRESSION

MINIMIZE SSR+AZIBil





GENERALIZED LINEAR MODEL

PATIENTS WITH SWITHOUT

DIABETES (YES/NO)

X, GLUCOSE LOW IN BLOOD

TO REAL INDIAN LEVEL IN BLOOD

Pi - PROB THAT PATIENT ? HAS BABLIES

$$P_{i} = \frac{e^{\beta_{0} + \beta_{1} \times_{1} + \beta_{2} \times_{2} + \dots}}{e^{\beta_{0} + \beta_{1} \times_{1} + \beta_{2} \times_{2} + \dots}}$$

$$\log \left(\frac{\rho_{i}}{1-\rho_{i}}\right) = \beta_{0} + \beta_{1} \times_{1} + \beta_{2} \times_{2} + \dots$$

$$\downarrow_{66 \text{ opos}}$$