cont x_1 corr

cont x_2 corr

cat x_3

y (cont)

↳ supervised

↳ Linear regression

2> → Anova (2)

2 → t-test

---

encoding

↳ cat

$\boxed{2}$ → Label encoding [M:-0, F:-1]

2> → One hot encoding (or) label binarizer

↳ SVC

↳ LOV

↳ MOV

$$S^{n} = 2.822 + 0.823\,\text{experience} - 1.2625\,\text{gender extended}$$

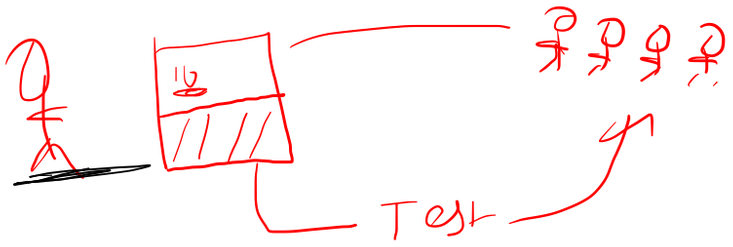
M → 0

F → 1

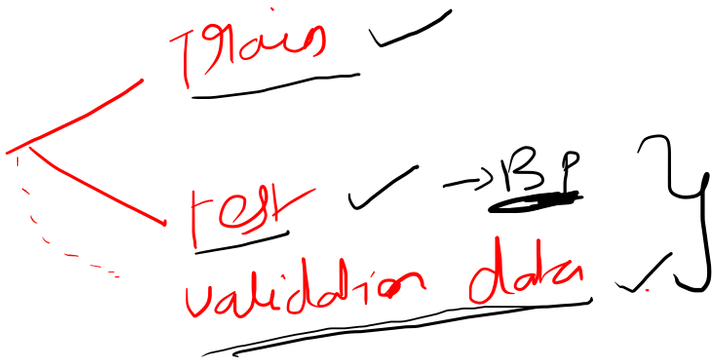
$$\boxed{S^{n}_{M} = 2.82 + 0.823\,\text{experience}}$$

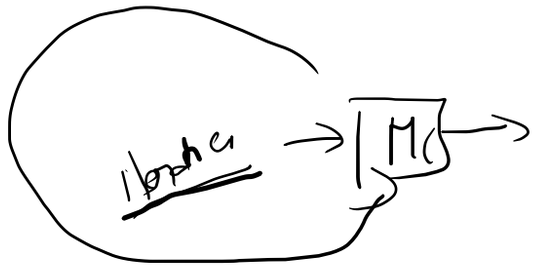
$$S^{n}_{F} = 2.82 + 0.823\,\text{exper} - 1.265$$

$$\boxed{S^{n}_{F} = 1.63 + 0.823\,\text{experience}}$$



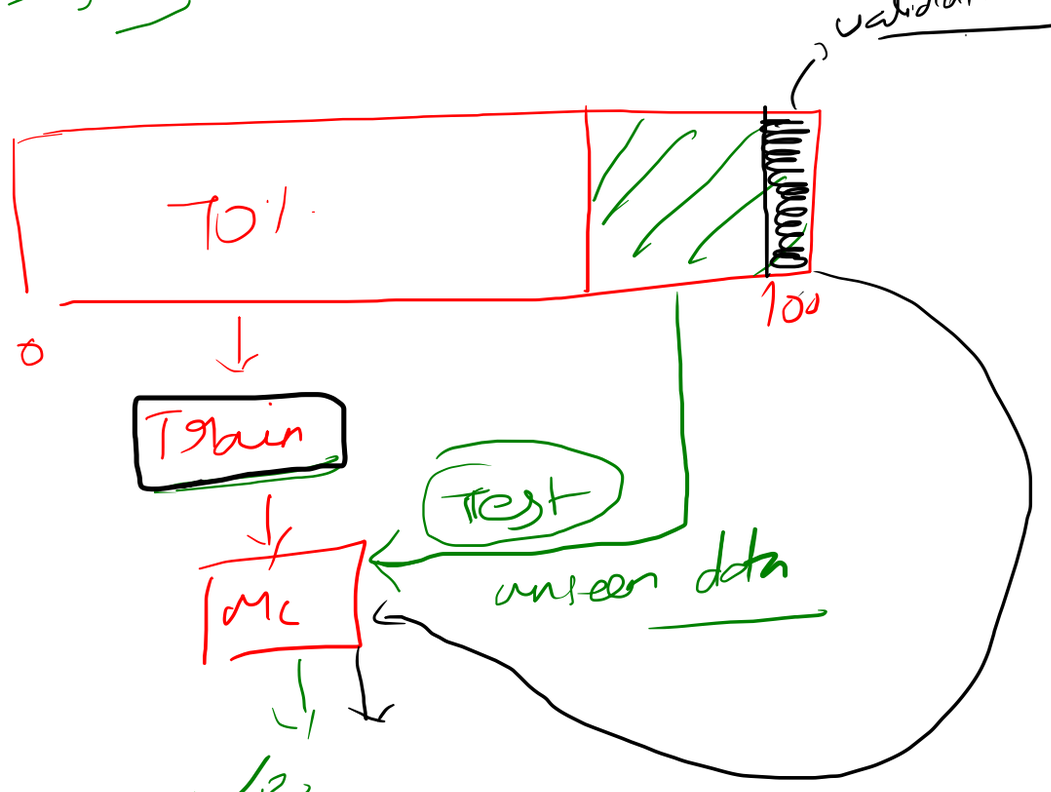
ML → generalized





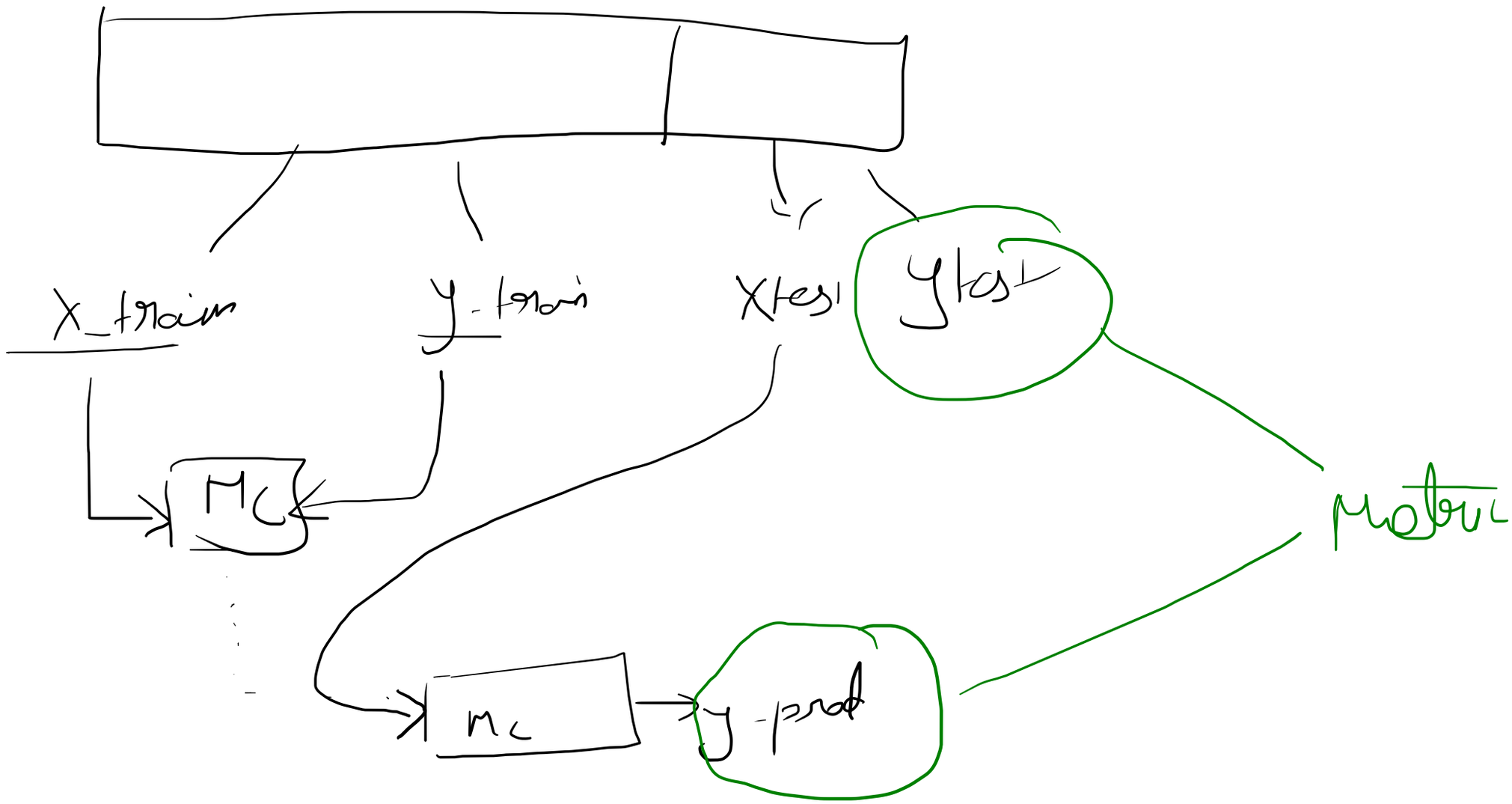
↳ Random

↳ Stratified →



✓ R2 -

✓ RMS



Training 90
test 60
→ model has problem