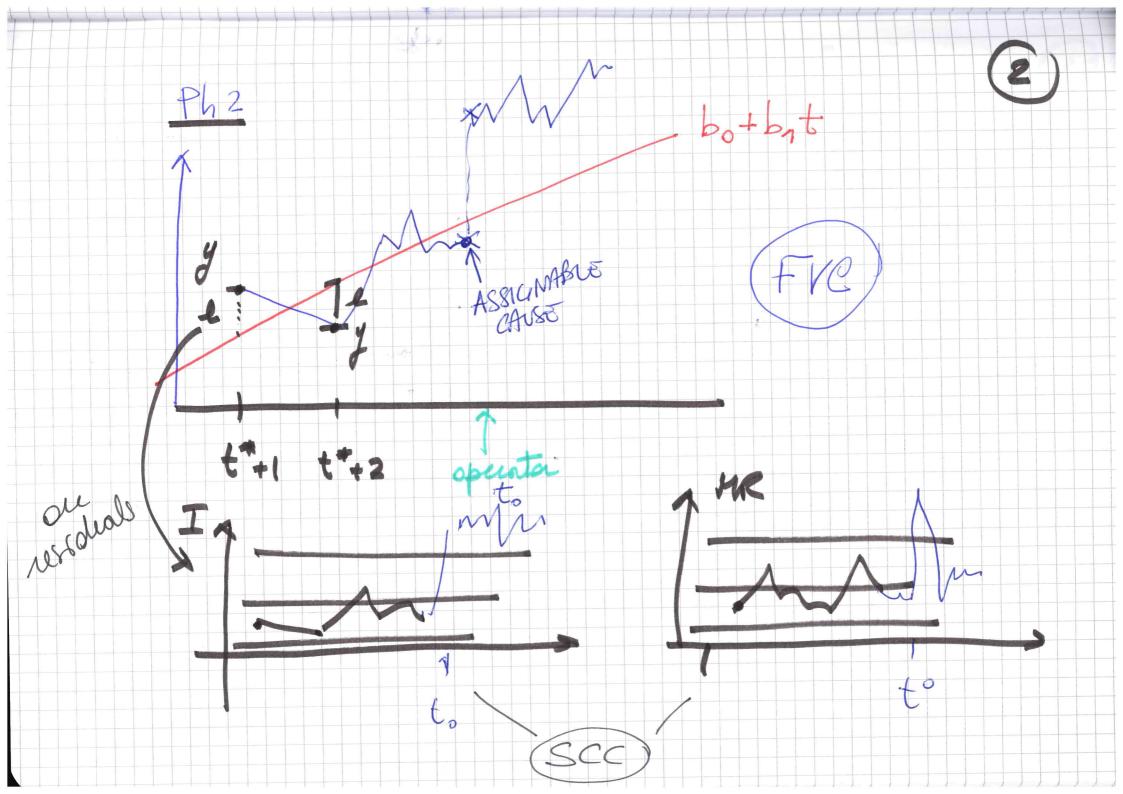
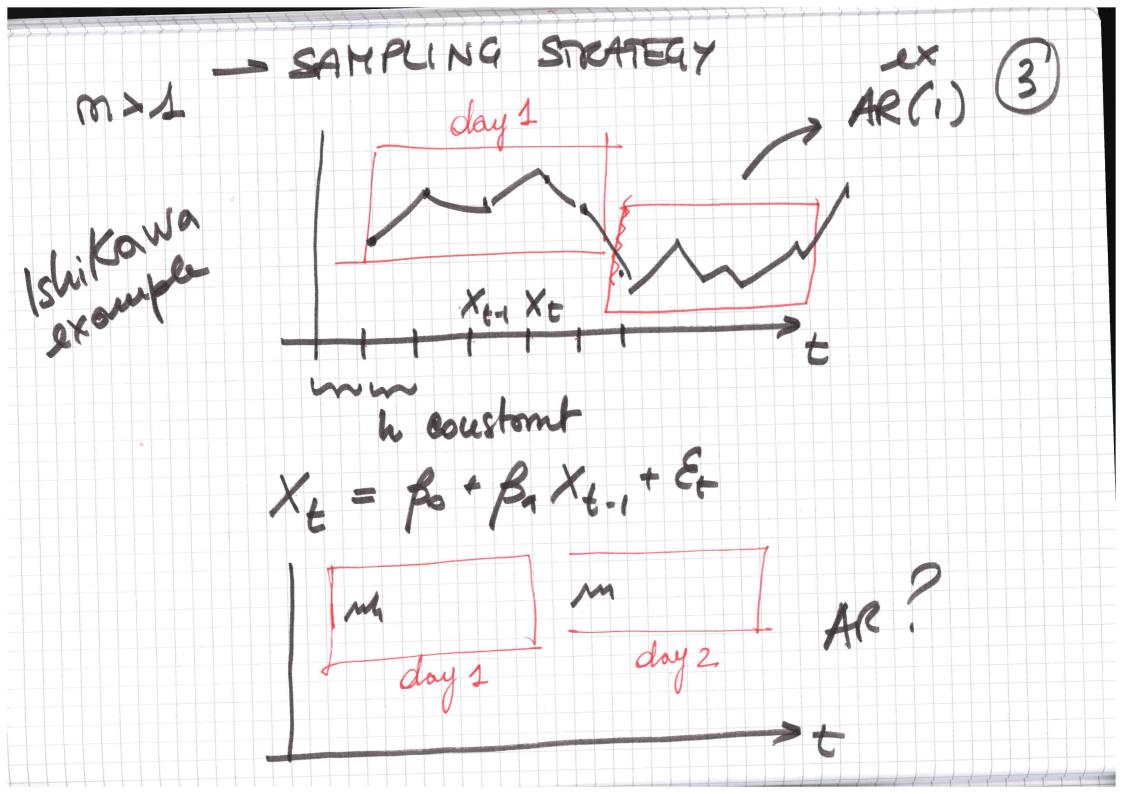
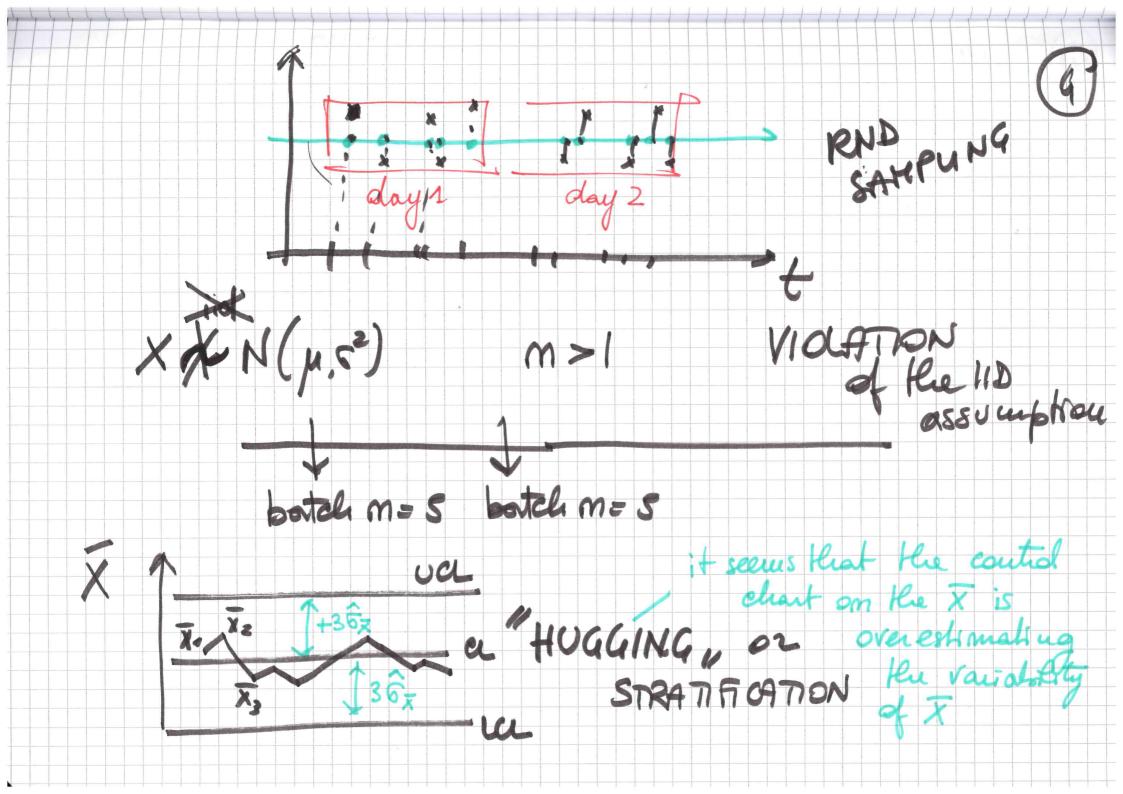
QDA 2023.05.17 SPC or SOH with NON IID dotta MODEL = bo + ba $e = \hat{\varepsilon} \sim N(0, \hat{\delta}_{\varepsilon}^2)$ MODEL (complete, with all the unknown parameters estimated) for the INCONTROL DAY







Remind that
$$\begin{array}{c}
X \stackrel{\text{iid}}{\sim} N(\mu, \sigma^2) \\
X = \frac{1}{m} \stackrel{\text{Z}}{\sim} X; \quad = E(\overline{X}) = E(\frac{1}{m} \stackrel{\text{Z}}{\sim} X;) = \\
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If X one mom iid = D 6= = 52 im flue

X ce com be over -. or under extimating Hu real (V(X) often strange battern of X; in the Xloan ce) tradit

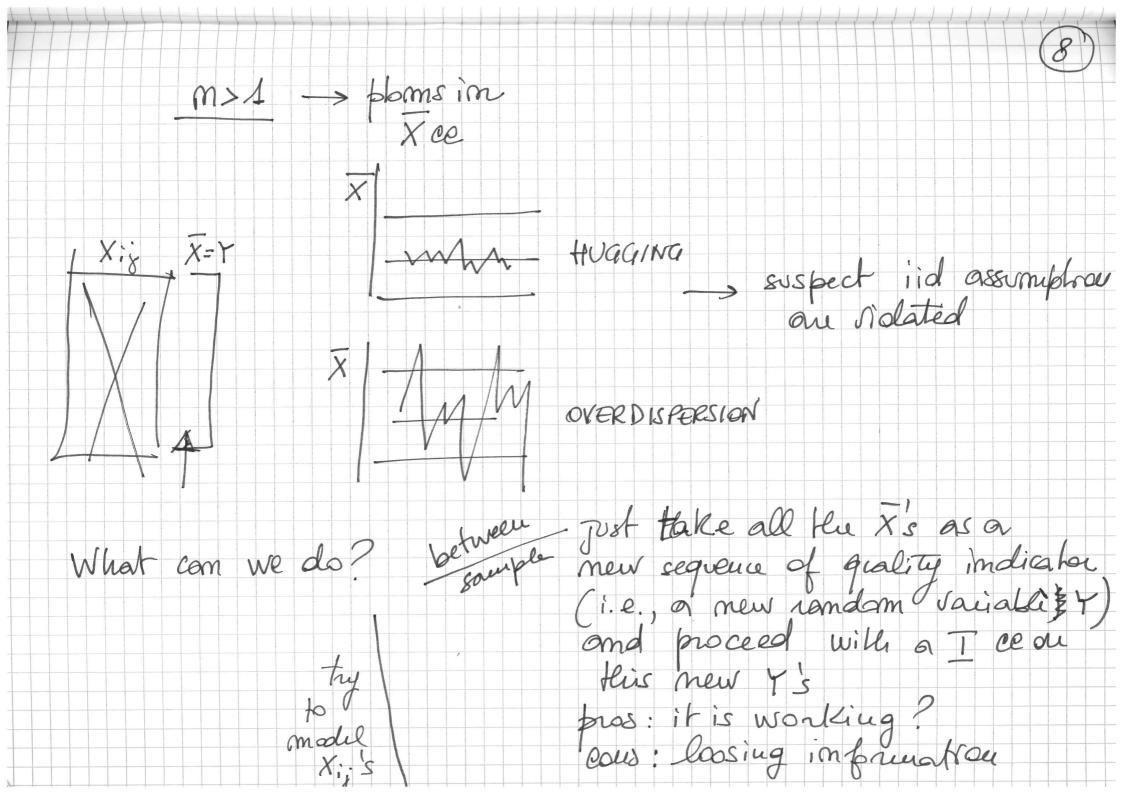
sample Xi = Yi

| Xi = Yi
| X = Yi
| Individed Ce on
| X = Yi
| X = Xi
| X =

when the sampling stralegy is structured Colata originally in the first day, first someple

ACF autocon?

PACF 10. o data in the second day (second naw)



boteling / gapping * ARIHA best model X: = f(i,j, dwmmy,

pros: better
model for kee data, without Fyc
loosing info

SCC cous: finding the right model com be a complex task. * a mole: gapping en batching can work only for stationary processes ex: trend = non stationary process

