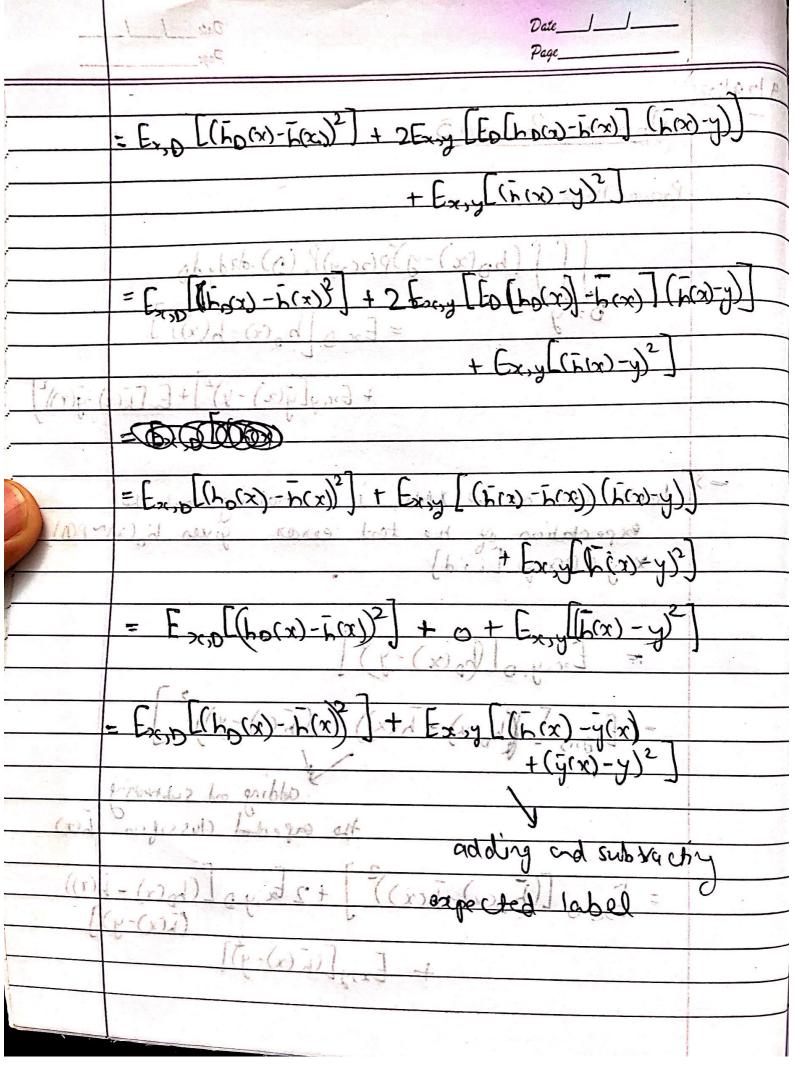
	Date
9/19/2021	on In - Class Problèm 5 Je + Mari Mondel god
	Prove Trat : (1)
1/2/8	$= \left[\frac{\int (h_0(x)-y)\rho(x,y)P_x(y)\cdot dxdydy}{\int (h_0(x)-h(x))^2}\right]$ $= \left[\frac{\int (h_0(x)-y)\rho(x,y)P_x(y)\cdot dxdydy}{\int (h_0(x)-h(x))^2}\right]$ $+ \left[\frac{\int (h_0(x)-y)\rho(x,y)P_x(y)\cdot dxdydy}{\int (h_0(x)-h(x))^2}\right]$ $+ \left[\frac{\int (h_0(x)-y)\rho(x,y)P_x(y)\cdot dxdydy}{\int (h_0(x)-h(x))^2}\right]$
	COLOGO -
	(let's) look at the this ! it is nothing but the expectation of he toot error given ho(2)~P(0). Y. y. e. P(x.y) [i.i.d]
	(g-(m))] + m + [(m)] 7 = [Exc.y. o [(h)(x)-y)] [-(m)] 7 = [[
	- (x (x) (x) - h(x) +x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (h(x) - y))?] - - (x (x) (x) - h(x)) + x (x) (x) (x) (x) (x) (x) (x) (x) (x) (
5	= $\frac{1}{2} \left[\frac{1}{2} \left[\frac{1}{2}$
	t tx,y(h(x)-y)



	Date Page
	= $E_{25}o[(h_{0}(x)-\bar{h}(x))^{2}]$ + $E_{25}v[(\bar{y}(x)-y)^{2}]$
+2	(-xxy [(\hat{\pi(x)}-\hat{\pi(x)})] + Exc [(\hat{\pi(x)}-\hat{\pi(x)})^2]
	this term is also so, similar breakdown to so the East [ho(x)] term
	$= \left[\left(\frac{h_0(x) - h_0(x)^2}{h_0(x) - h_0(x)^2} \right] + \left[\frac{h_0(x) - h_0(x)^2}{h_0(x) - h_0(x)^2} \right]$
	Verione + Ex[(h(x)-j(x))2]
	LHS=RHS. Bigs2
	Henre Provid.
1	
7 7 1	