## Lecture 8 - scribbles - calibration

Friday, February 16, 2018 14.30 today: finish calibrated sunagate los fory  $f_{3}(s) = ||9 - l - lq\rangle ||^{2} + csl,$ recall:  $\int (\alpha, y; s) \stackrel{A}{=} \frac{1}{2k} \stackrel{Z}{=} \left( 5 \times (g) - (-l(yg)) \right)^2$  $\mathcal{F}_{erk} = \mathbb{Z}_{q(y|z)} l(y, \cdot)$ let Like a Kxk milinie and where Ligg = 2(y, y) 5x = ~ Lojz E Span(L) is. ExyL(·, y) column space to get consistency, it is sufficient to only consider SE span(L) or that SE span(F) 2 span(L) restriction on scores FE RKX " F can be chosen cleverly depending on L if span(F) 2 span(L), then have  $Sq(G) - min Sq(E) = \int ||FG - (-Fq)||_2^2$ 

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then have 
$$I_q(G) - \min_{G} I_{G}(E) = \int_{C} ||f|^2 - (f_Q)|_0^2$$
  
 $S = FO$  been lowed to condensate the satisfied  
 $I + \min_{T} T$ :  $H_{mod}, e_1 t = (e) > \int_{C} \frac{e^2}{2f_{C}} \frac{e^2}{2f_{C}} \frac{1}{2f_{C}} ||f|^2} = \frac{1}{2f_{C}} \frac{1}{2f_{C}} ||f|^2}{2f_{C}} ||f|^2} \int_{C} \frac{1}{2f_{C}} \frac{1}{2f_{C}} ||f|^2}{2f_{C}} ||f|^2} \int_{C} \frac{1}{2f_{C}} \frac{1}{2f_{C}} ||f|^2}{2f_{C}} \int_{C} \frac{1}{2f_{C}} \frac{1}{2f_{C}} ||f|^2}{2f_{C}} \int_{C} \frac{1}{2f_{C}} \frac{1}{2f_{C}}$ 

Schap: Out 
$$S(x,y)$$
 be of the firm  $FO(x)$   
 $G(x) \in \mathbb{R}^{2}$   
 $G(x)$ 

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