## **Household's Problem**

Pascal Michaillat https://www.pascalmichaillat.org/t5.html

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Howhold's problem. Choose 
$$c(t)$$
 1 with to maximize  $\frac{z-t}{z-1}$  be  $\left[\frac{z}{z-1}\right] + \sigma(w,t) - \overline{w}(t)$  at  $\frac{z-t}{z-1}$  be  $\left[\frac{z}{z-1}\right] + \sigma(w,t) - \overline{w}(t)$  at  $\frac{z-t}{z-1}$  be  $\left[\frac{z}{z-1}\right] + \sigma(w,t) + \sigma(w,t) + \sigma(w,t)$  be  $-\left[\frac{z-t}{z-1}\right] + \sigma(w,t) + \sigma(w,t)$  be  $-\left[\frac{z-t}{z-1}\right] + \sigma(w,t)$  be  $-\left[\frac{z-t}{z-1$ 

In a propriete transversality and trans

Linn 
$$e^{-St}$$
  $\mathcal{T}(t)$   $\mathcal{W}(t) = 0$ 

then  $\mathcal{Y}$  13 in Accurage (2007) — any interior

Arberton  $\mathcal{T}$  14 in Accurage (2007) — any interior

Arberton to necessary and him s is global anaximum.

Euler equation:

 $\partial H/\partial c = 0 \implies \frac{c}{2-1} \times \frac{c}{2} \times c = \mathcal{Y}(t) + \mathcal{T}(t) = 0$ 
 $d = 0$