POPULATION

Feature Type & Distribution



New users

$$n_t \in \mathcal{N}^+$$

BLACK-BOX CLASSIFIER

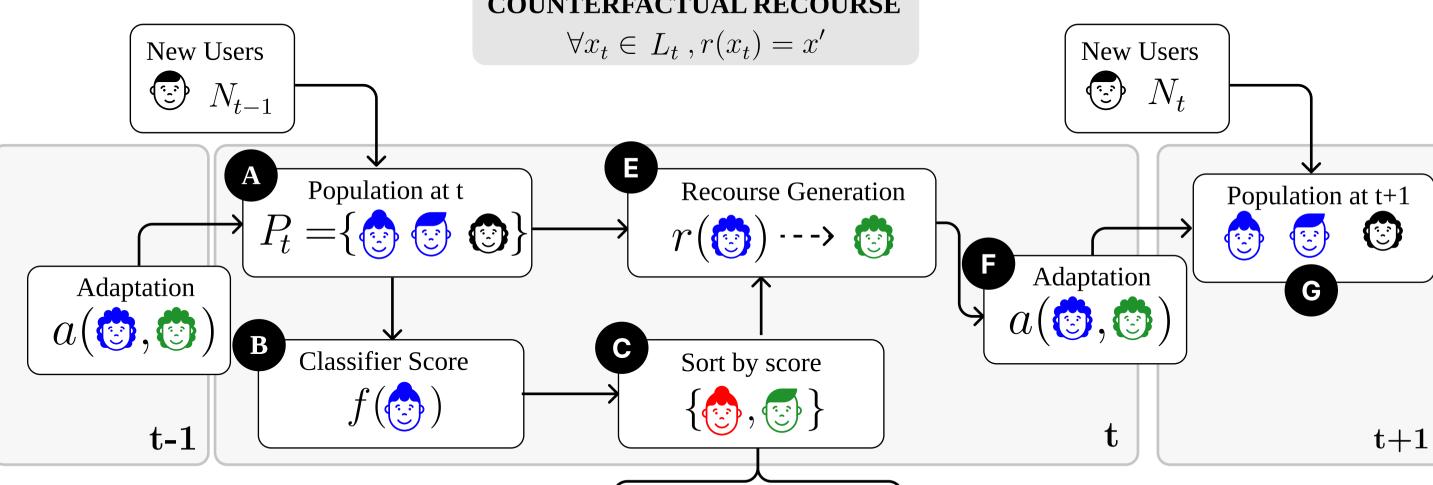
 $f: \mathcal{X} \to [0,1]$ User score:

 $x_t^k \in P_t^k$ Positive Outcome:

ADAPTATION DYNAMIC

$$\forall x_t \in L_t, a(x_t, r(x_t)) = a(x_t, x') = x_{t+1}$$

COUNTERFACTUAL RECOURSE



Favourable Out. Threshold udate S_t