## Rank Metric Combination

Saturday, March 30, 2024

10:14 AM

## Rank metulc from mult-objective model needs to be combined

Weighted Average

'Another' Average:

Tick Tock Model: estimated user wetch time (1+ W1 Ptime) a. (1+ W2 Plike) a. ....

- 2 ranking result:  $\gamma_{time} \longrightarrow \frac{1}{\gamma_{time} + \beta}$
- 3 repeat O2 for "like", "click" etc.

(4) final score:
$$\frac{W_{i}}{\gamma_{t,me}} + \frac{W_{z}}{\gamma_{click}} + \frac{W_{z}}{\gamma_{click}} + \frac{W_{3}}{\gamma_{like}} + \cdots$$

E - commerce:

- 1 exposure -> click -> add care -> purchase
- @ model estimates Pclick. Pour Ppay
- 3 finel sure:

Polick · Poor · Ppay · Price a+

if  $\alpha_1 = \alpha_2 = \alpha_3 = \alpha_4$  it's expected revenue.