

## Adila con FIFA23

```
(adila39) ppobar@Pablos-MacBook-Pro-2 src % python -u main.py \
-fteamsvecs ../data/preprocessed/fifa23/teamsvecs.pkl \
-fsplit ../output/fifa23/splits.json \
-fpred ../output/fifa23/bnn/ \
-att popularity \
-algorithm det_cons \
-fairness_notion dp \
-output ../output/fifa23
#####
#####
Reranking for popularity using det_cons for the top-10 on the baseline ../output/
fifa23/bnn/default/fifa23_test.pred ...
Loading stats, labels ...
Loading reranking results ...
Loading re-ranking results failed! Reranking the predictions based on popularity
with det_cons for top-10 ...
100%|
| 136/136 [00:04<00:00,
27.38it/s]
100%|
| 136/136 [00:00<00:00, 539664.47it/s]
Loading fairness evaluation results before and after reranking ...
Loading fairness results failed! Evaluating fairness metric {'expu', 'ndkl', 'exp',
'skew'} ...
0%|
| 0/136 [00:00<?, ?it/s]/opt/homebrew/Caskroom/miniforge/base/envs/adila39/lib/
python3.9/site-packages/FairRankTune/Metrics/EXP.py:111: RuntimeWarning:
divide by zero encountered in divide
  vals = avg_exp / avg_utility
/opt/homebrew/Caskroom/miniforge/base/envs/adila39/lib/python3.9/site-
packages/FairRankTune/Metrics/ComboUtil.py:11: RuntimeWarning: invalid value
encountered in scalar divide
  return np.min(vals) / np.max(vals)
100%|
```

38.41it/s] 100%| 136/136 [00:03<00:00,

[illegible]

136/136 [00:02<00:00,  
47.64it/s]  
100%|

48.58it/s] 136/136 [00:02<00:00,

```
Loading utility metric evaluation results before and after reranking ...
Loading utility metric results failed! Evaluating utility metric
{'map_cut_2,5,10,20,50,100', 'ndcg_cut_2,5,10,20,50,100'} ...
Building pytreceval input for 136 instances ...
Evaluating {'map_cut_2,5,10,20,50,100', 'ndcg_cut_2,5,10,20,50,100'} ...
Averaging ...
Building pytreceval input for 136 instances ...
Evaluating {'map_cut_2,5,10,20,50,100', 'ndcg_cut_2,5,10,20,50,100'} ...
Averaging ...
Pipeline for the baseline ../output/fifa23/bnn/default/fifa23_test.pred completed by
<_MainProcess name='MainProcess' parent=None started>! 95.47289991378784
#####
#####
```