Appendix

Figure 4 shows the variation of fairness values as basket size changes on Dunnhumby and TaFeng.
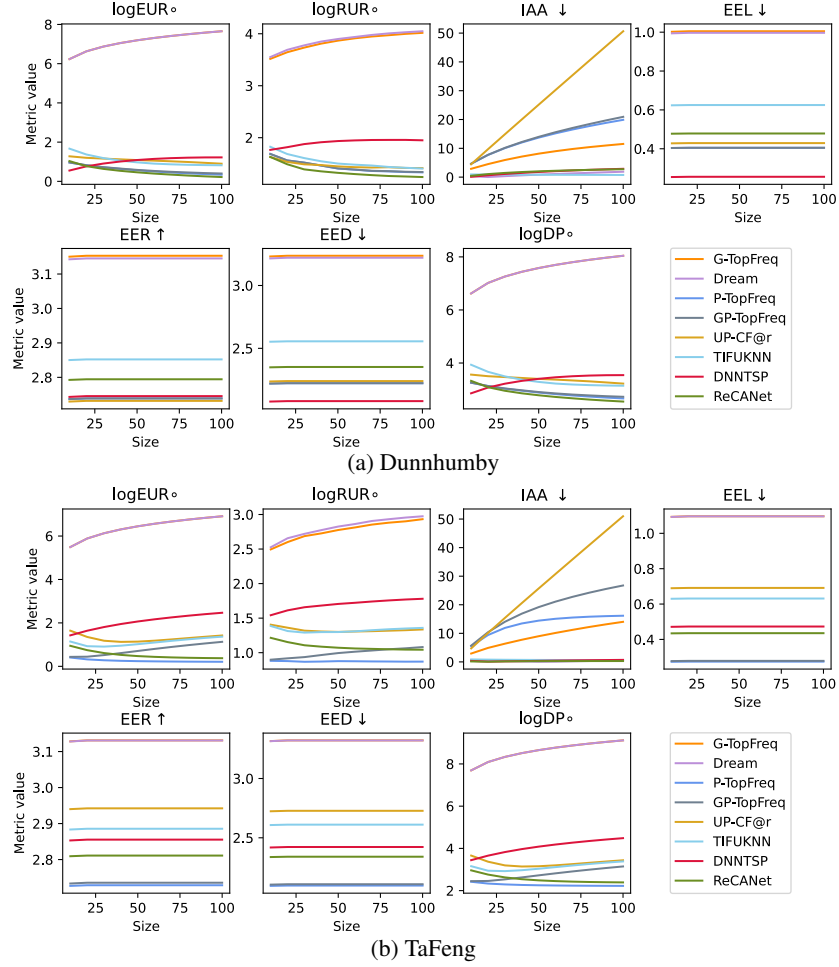

(a) Dunnhumby

(b) TaFeng

Fig. 4: Performance of different NBR models in terms of item fairness with varying basket size

Figure 5 shows the variation of fairness values as position weighting models change on Dunnhumby and TaFeng.
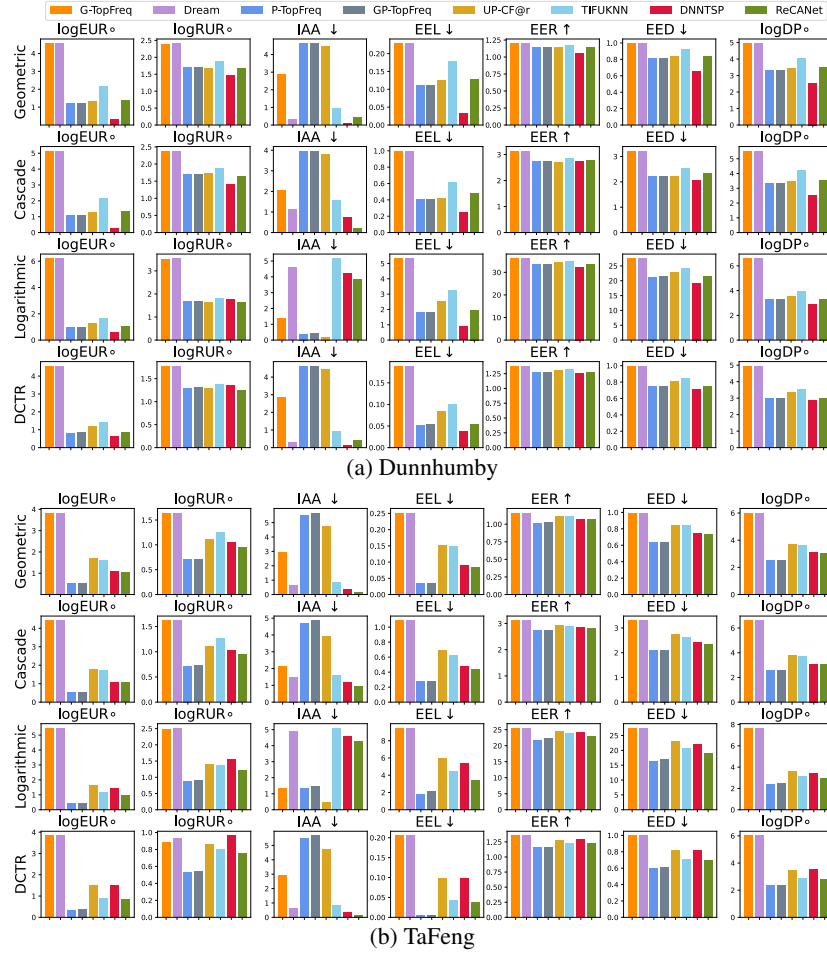

(a) Dunnhumby

(b) TaFeng

Fig. 5: Item fairness with varying position weighting models
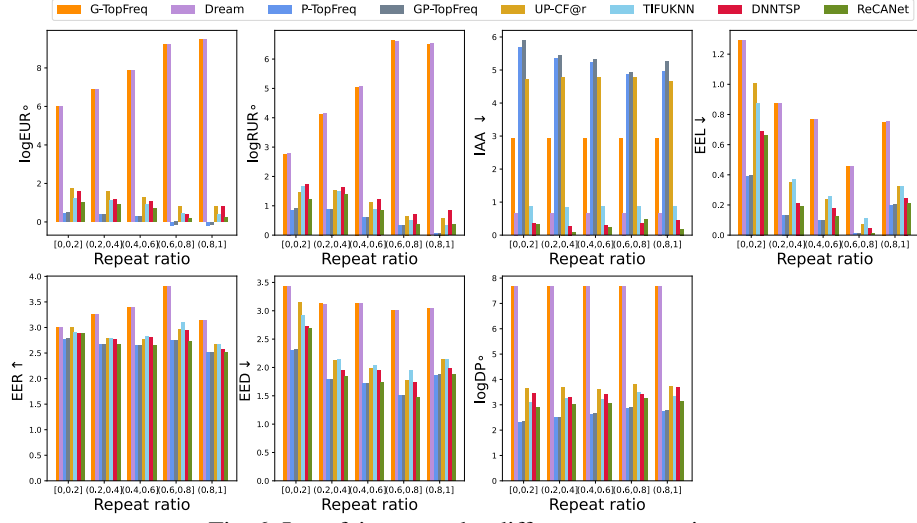
Figure 6 shows the fairness metrics for different user groups on TaFeng.

Fig. 6: Item fairness under different repeat ratios