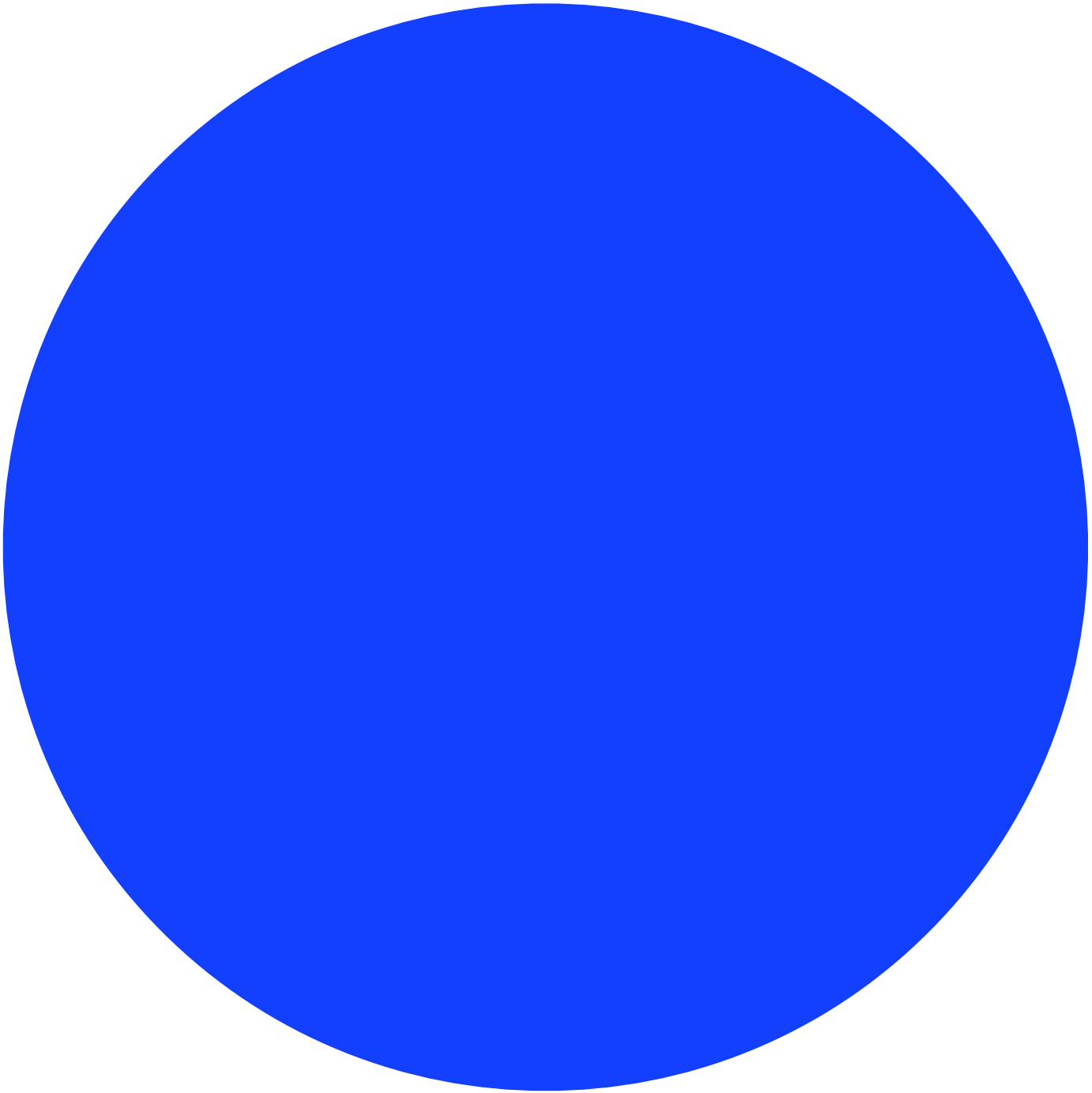
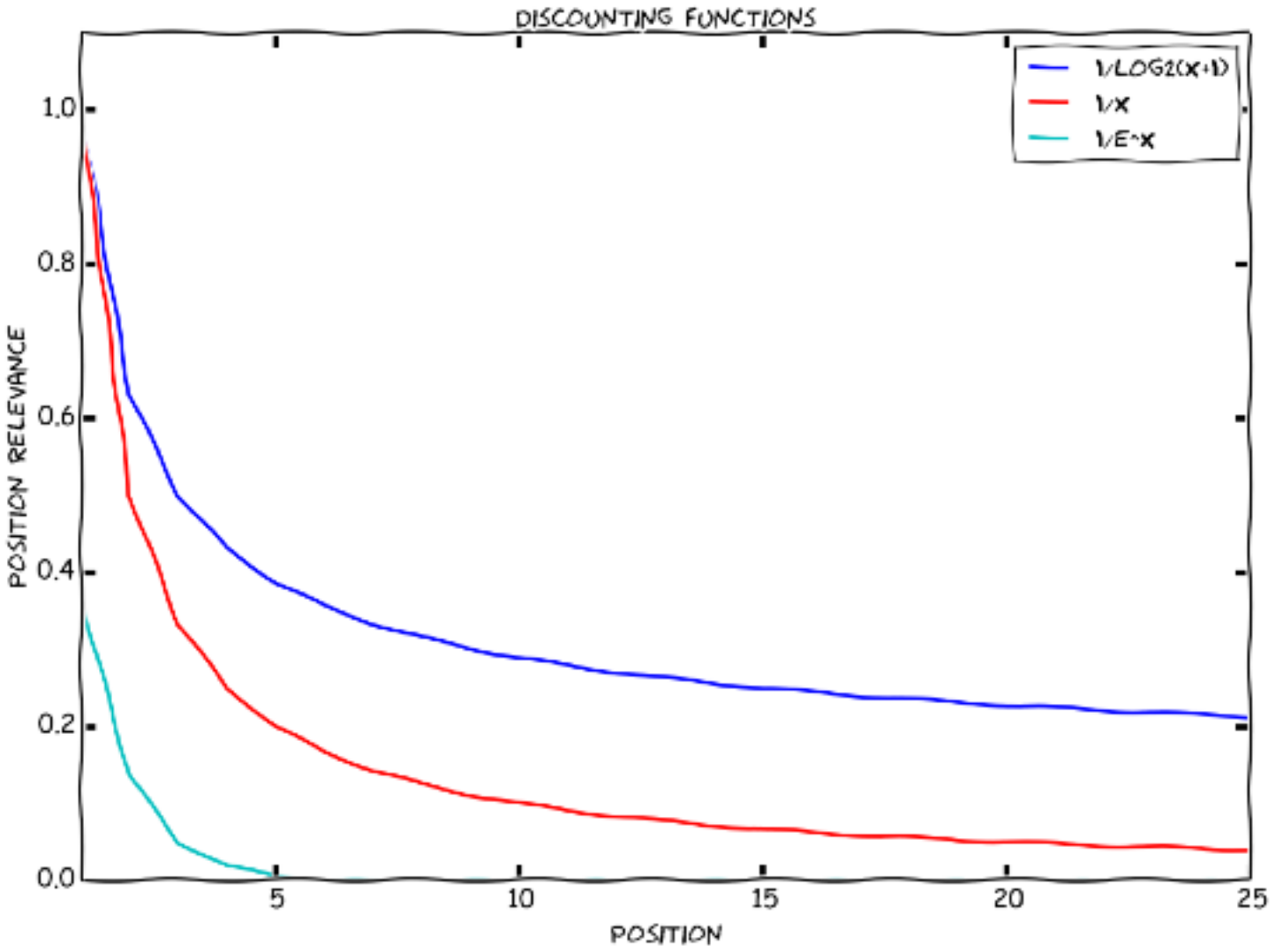
European Broadcasting Union

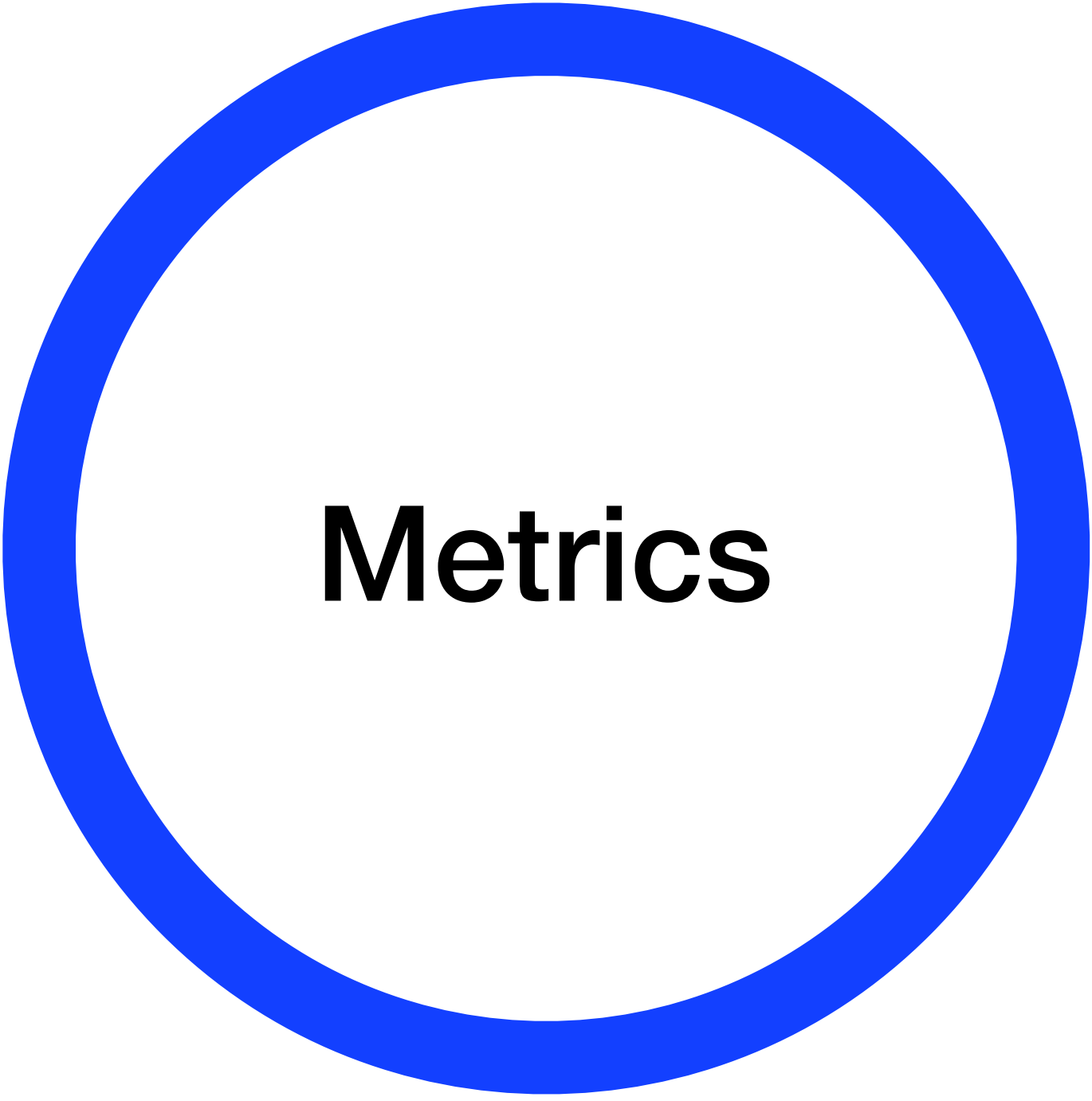


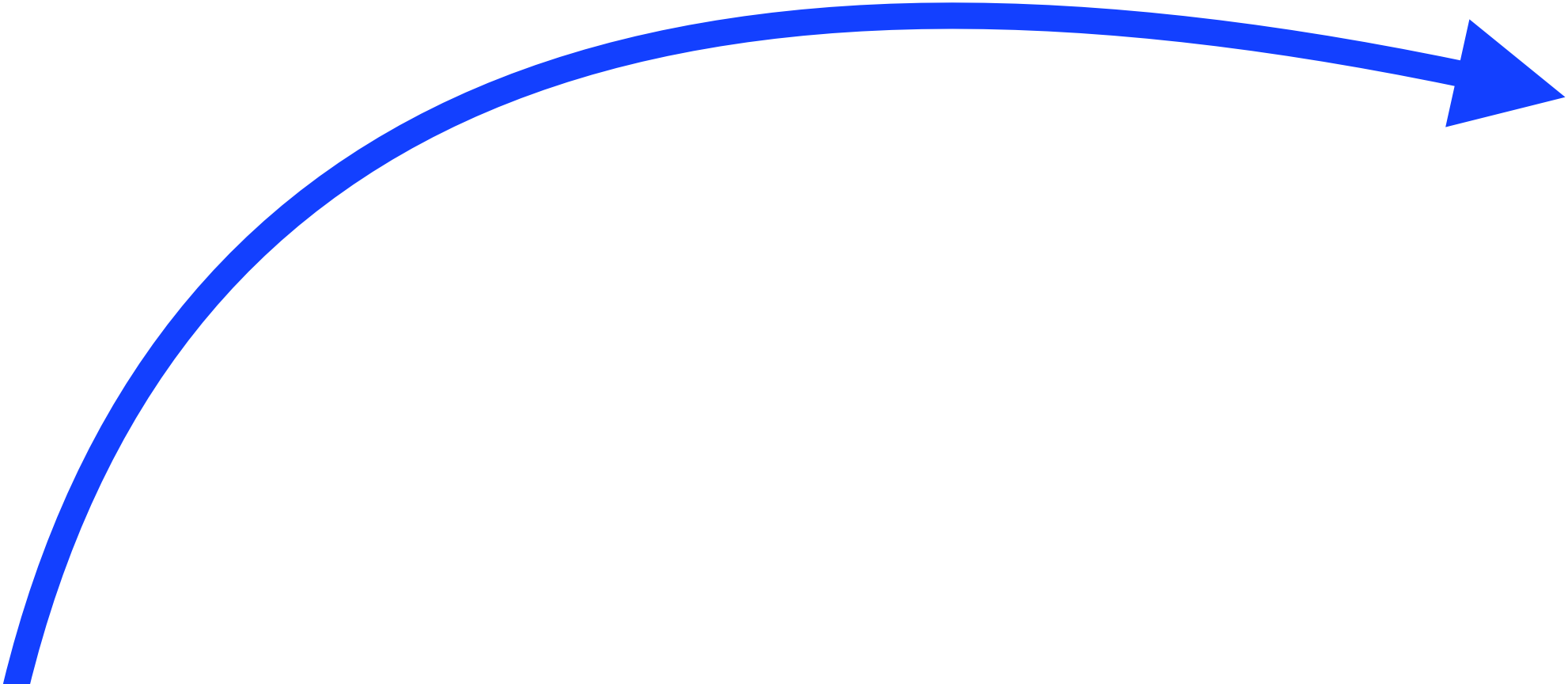

DISCOUNTING FUNCTIONS
1/LOG2(X+1)
1/X
1/E^X
POSITION RELEVANCE
1.0
0.8
0.6
0.4
0.2
0.0
5
10
15
20
25
POSITION

Can be different depending on the context

Discounting function

$$DCG_N = \sum_{i=1}^{N} \frac{rel_i}{\log_2 (i+1)}$$


Metrics



$$DCG_N = \sum_{i=1}^{N} \frac{rel_i}{\log_2(i+1)}$$

0.9 0 0.6 0 0.4

RELEVANCE

$$DCG_N = \sum_{i=1}^{N} \frac{rel_i}{\log_2(i+1)}$$