Ranking #1



Recall 0.17 0.17 0.33 0.5 0.67 0.83 0.83 0.83 0.83 1.0 Precision 1.0 0.5 0.67 0.75 0.8 0.83 0.71 0.63 0.56 0.6

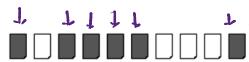
(Total selevent = 6)

(1) \rightarrow Precision: $\frac{1}{1}$, Reall: $\frac{1}{6}$

Precision =
$$\frac{3}{4}$$
, Reall = $\frac{3}{6}$

Precision =
$$\frac{5}{8}$$
, Recall = $\frac{5}{6}$

Average Precision ->



Recall 0.17 0.17 0.33 0.5 0.67 0.83 0.83 0.83 0.83 1.0

-) we will calculate, where we get the actual actived itens and average the precision at that time.

Similarly for this -, Recall 0.0 0.17 0.17 0.33 0.5 0.67 0.67 0.83 1.0

Precision 0.0 0.5 0.33 0.25 0.4 0.5 0.57 0.5 0.56 0.6

Average Precision = 0.5+ 04+0.5+0.5+ + 0.56+0.6 = 0.52

Mean average Precision = 0.78 + 0.52 (for 2 gray)

Another Example : -

relevant item = a, c, e, g, i

setrieved -> a, b, c, d, e, f

 \rightarrow C \rightarrow 2 (0.67) $\frac{2}{10.41}$

$$\int \rightarrow \frac{3}{6}(2i), \quad \frac{3}{5}(0.6)$$

Average Precision =
$$\frac{1}{3} \left(1 + \frac{2}{3} + \frac{3}{5} \right)$$

= $\frac{\left(1 + 0.67 + 0.6 \right)}{3} = 0.7555$

Average Reall =
$$\frac{1}{3} \left(\frac{1}{5} + \frac{2}{5} + \frac{3}{5} \right)$$

= $\frac{1}{3} \times \frac{6}{5} = 0.40$