How to Summarize a Ranking

Total number of relevant documents in collection: 10

	Precision	Recall
D1 +	1/1	1/10
D2 +	2/2	2/10
D3 −	2/3	2/10
D4 −		
D5 +	3/5	3/10
D6 −		
D7 −		
D8 +	4/8	4/10
D9 −		
D10 −	0	10/10

$$\frac{\frac{1}{1} + \frac{2}{2} + \frac{3}{5} + \frac{4}{8} + 0 + 0 + 0 + 0 + 0 + 0}{10}$$

Average Precision

1.0

0.6

0.1 0.2   0.3 ....   1.0

5