**3.1 Performance Measures**

Let be the set of query images. For the -**th** query let are the correct answers and  is the rank of in the result. We use three performance measures **[7]:**

1. ***Avg-r* =**
2. ***Avg-p =***
3. ***Recall vs. Scope:*** For query ***Qi*** and scope ***S***(***S***>**0**)*:*