Terabyte Track results, adhoc search task — RMIT University

<table>
<thead>
<tr>
<th>Run Type</th>
<th>automatic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fields Used</td>
<td>title</td>
</tr>
<tr>
<td>Links/Anchor text/Structure used</td>
<td>none</td>
</tr>
<tr>
<td>Number of Topics</td>
<td>50</td>
</tr>
<tr>
<td>Total number of documents over all topics</td>
<td>486836</td>
</tr>
<tr>
<td>Relevant:</td>
<td>5893</td>
</tr>
<tr>
<td>Rel-ret:</td>
<td>5380</td>
</tr>
<tr>
<td>Inferred Average Precision, topics 801-850</td>
<td>0.2599</td>
</tr>
<tr>
<td>Mean Average Precision, topics 801-850</td>
<td>0.3056</td>
</tr>
<tr>
<td>Mean Average Precision, topics 701-850 (auto runs only)</td>
<td>0.3084</td>
</tr>
<tr>
<td>% of collection indexed</td>
<td>100%</td>
</tr>
<tr>
<td>Indexing time</td>
<td>569.26 min.</td>
</tr>
<tr>
<td>Avg. time to retr. top 20</td>
<td>3.11 sec.</td>
</tr>
<tr>
<td>Total wall-clock time</td>
<td>466.5 sec.</td>
</tr>
<tr>
<td>Total CPU time</td>
<td>466.5 sec.</td>
</tr>
<tr>
<td>Size of on-disk structures</td>
<td>43.4 GB</td>
</tr>
<tr>
<td>Number of CPUs</td>
<td>2</td>
</tr>
<tr>
<td>System RAM</td>
<td>4 GB</td>
</tr>
<tr>
<td>Approx. system cost</td>
<td>$4000</td>
</tr>
<tr>
<td>Year of purchase</td>
<td>2005</td>
</tr>
<tr>
<td>Operating system</td>
<td>Linux (Fedora)</td>
</tr>
</tbody>
</table>

### Recall Level Averages

<table>
<thead>
<tr>
<th>Recall Level Averages</th>
<th>Recall</th>
<th>Precision</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>0.8060</td>
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</tr>
<tr>
<td>0.10</td>
<td>0.5861</td>
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<tr>
<td>0.20</td>
<td>0.4926</td>
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<tr>
<td>0.30</td>
<td>0.4268</td>
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<tr>
<td>0.40</td>
<td>0.3502</td>
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<tr>
<td>0.50</td>
<td>0.2968</td>
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</tr>
<tr>
<td>0.60</td>
<td>0.2362</td>
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</tr>
<tr>
<td>0.70</td>
<td>0.1900</td>
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<tr>
<td>0.80</td>
<td>0.1332</td>
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<tr>
<td>0.90</td>
<td>0.0790</td>
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<tr>
<td>1.00</td>
<td>0.0180</td>
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</tbody>
</table>

### Document Level Averages

<table>
<thead>
<tr>
<th>Document Level Averages</th>
<th>Precision</th>
</tr>
</thead>
<tbody>
<tr>
<td>At 5 docs</td>
<td>0.5560</td>
</tr>
<tr>
<td>At 10 docs</td>
<td>0.5320</td>
</tr>
<tr>
<td>At 15 docs</td>
<td>0.5053</td>
</tr>
<tr>
<td>At 20 docs</td>
<td>0.4800</td>
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<tr>
<td>At 30 docs</td>
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<tr>
<td>At 100 docs</td>
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<tr>
<td>At 200 docs</td>
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<tr>
<td>At 500 docs</td>
<td>0.1443</td>
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<tr>
<td>At 1000 docs</td>
<td>0.0841</td>
</tr>
</tbody>
</table>

Recall-Precision Curve
Difference from Median Inferred AP per Topic