Relevancy 101

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WHAT IS RELEVANCY?
A la Wikipedia

“how well a retrieved document or set of documents meets the information need of the user”
Say I’m looking for *ozone* data from the Ozone Monitoring Instrument...
Say I’m looking for *ozone* data from the Ozone Monitoring Instrument...
WHY IT IS IMPORTANT?
Back to our ozone search...
Back to our ozone search...

Good thing I’m not busy for the next two weeks :-/
HOW?
The Content Heuristic

Well, it would be nice if the dataset actually had the content I am looking for...
New and Improved Heuristic - Processing Version
Newer version is better than older version

MLS/Aura Level 2 Ozone (O3) Mixing Ratio V004 (ML2O3) at GES DISC
ML2O3 v004 - NASA/GSFC/SED/ESD/GCDC/GESDISC
2004-08-08 ongoing | 4280 Granules

MLS/Aura Level 2 Ozone (O3) Mixing Ratio V003 (ML2O3) at GES DISC
ML2O3 v003 - NASA/GSFC/SED/ESD/GCDC/GESDISC
2004-08-08 to 2015-06-30 | 3935 Granules
New and Improved Heuristic - Processing Version

New version is more likely to be up to date
New and Improved Heuristic - Instrument

Newer instrument is supposed to be “better” than previous instruments
Usability Heuristic

Level 3 Gridded datasets are easier for most users to use than Level 2 Swaths
Community Usage Heuristic

The dataset most often used by the community is more likely to be useful.
Time Range Heuristic

Datasets covering the user’s full time range are better than those covering just part of it
Spatial Heuristic

Datasets covering the user’s full area are better than those covering just part of it
## User-centric Heuristics

<table>
<thead>
<tr>
<th>User type or intent</th>
<th>The most relevant datasets are...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applications users</td>
<td>High spatial resolution, near-real-time</td>
</tr>
<tr>
<td>Students</td>
<td>Easier to use data (L3 grids in netCDF)</td>
</tr>
<tr>
<td>Climate Modeler</td>
<td>Datasets on Climate Model Grid (CMG)</td>
</tr>
</tbody>
</table>
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