JADS International Expert Meeting of Representatives of National Bureaus of Statistics and International Agencies
Mariënburg, ’s-Hertogenbosch, The Netherlands
April 18, 2018

Statistical Institute of Catalonia

IDESCAT

Generalitat de Catalunya

David Rodríguez Segado
### BIG DATA VS. OFFICIAL STATS

<table>
<thead>
<tr>
<th>Big Data</th>
<th>Official Stats</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fast to produce, automatic collection</td>
<td>Slow to produce, collected on purpose, compulsory providing</td>
</tr>
<tr>
<td>Volatile, continuity along time is not easy</td>
<td>Solid and safe, continuity and comparability required</td>
</tr>
<tr>
<td>Privacy limits are fuzzy</td>
<td>Privacy limits well defined</td>
</tr>
<tr>
<td>Mainly owned by private corporations</td>
<td>Owned and managed publicly</td>
</tr>
<tr>
<td>Open mind required</td>
<td>Very conservative world</td>
</tr>
</tbody>
</table>
BIG DATA: COLLECTION

Possibilities

• (Near) Real-Time Data
• Automatic Information
• (Almost) Non Disturbing
• Source combination

Drawbacks

• Confused Information
• Have To Be Protected And Regulated By Law
• Needed Storage
• Information Gaps
BIG DATA: ANALYSIS

Limitations

- Memory and CPU
- Stock Data Increases Constantly

Solutions

- Efficient Coding
- Computer Farming / Supercomputer
Thanks!

www.idescat.cat

https://twitter.com/idescat