Geographies of data and information

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Accessibility
Where do people have access to internet?
Participation

Where does internet content come from?
Microwork at ODesk

Representation

What places does internet content refer to?
OpenStreetMap availability

Number of nodes in OpenStreetMap per inhabitant (percentiles)

- >10.81 (>95)
- 6.57 - 10.81 (75-95)
- 4.11 - 6.57 (25-75)
- 2.01 - 4.11 (10-25)
- < 2.01 (5)

No OSM nodes in inhabited area
OSM nodes in uninhabited area

Gazetteers
GeoNames over SEDAC population

Cluster and outlier analysis (Anselin Local Morans I)

GeoNames
Mapping Google NGram

and accidentally Queen Victoria’s Journals
Monday 1st January 1877 – Volume 67, Page 4 (Queen Victoria proclaimed Empress of India)

"I wore the Star of India, which I confered on Arthur this morning, & some of the beautiful gifts brought back by Bertie."

<ent id="b23" type="location" lat="22.2" long="79"
gazetype="geonames:1269750" in-country="IN" feat-type="country" pop-size="1080264388">
<parts>
  <part p="en" e="w2703" sw="w2703">India</part>
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gazetype="geonames:5899022" in-country="CA" feat-type="rgn">
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  <part p="en" e="w2798" sw="w2798">Bertie</part>
</parts>
</ent>

India – Correctly parsed.

Bertie – False positive
Referring to Albert Edward, Prince of Wales (Queen Victoria’s eldest son, later King Edward VII), parsed as placename and geocoded as Bertie, Ontario, Canada.
Thank you for your attention.

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in collaboration with Prof Dr Mark Graham
Content age in OpenStreetMap