



Palladian

KNIME User Group Meeting,
Berlin, 26.02.2015

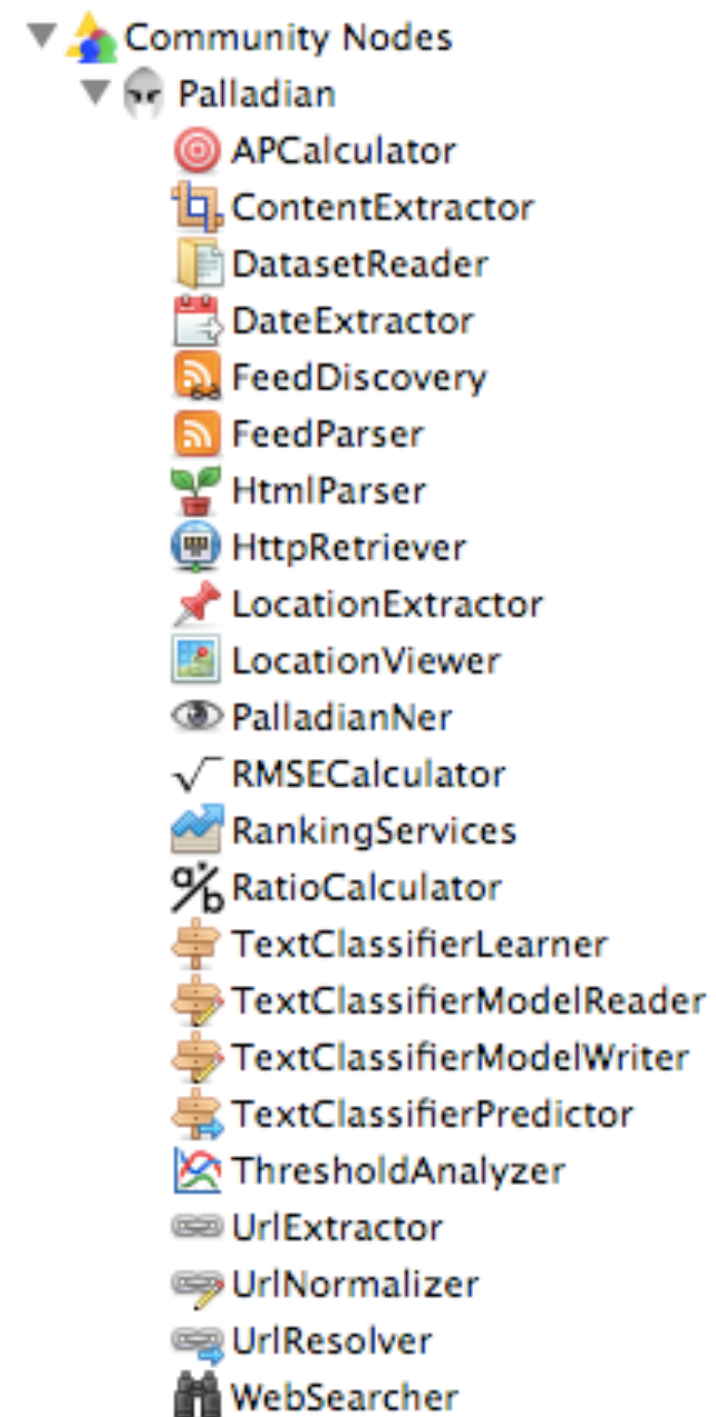
Philipp Katz, Klemens Muthmann

Palladian?

- Java-based toolkit for information retrieval started in 2009
- Palladian KNIME nodes since 2011
- Available from KNIME Community Contributions download site
- Used in commercial and academic projects

Palladian KNIME Nodes

- Text classification
- Content extraction
- Date extraction
- Named entity recognition
- Web page, image, news search
- HTML, RSS, Atom parsing
- Ranking value retrieval
- Evaluation metrics

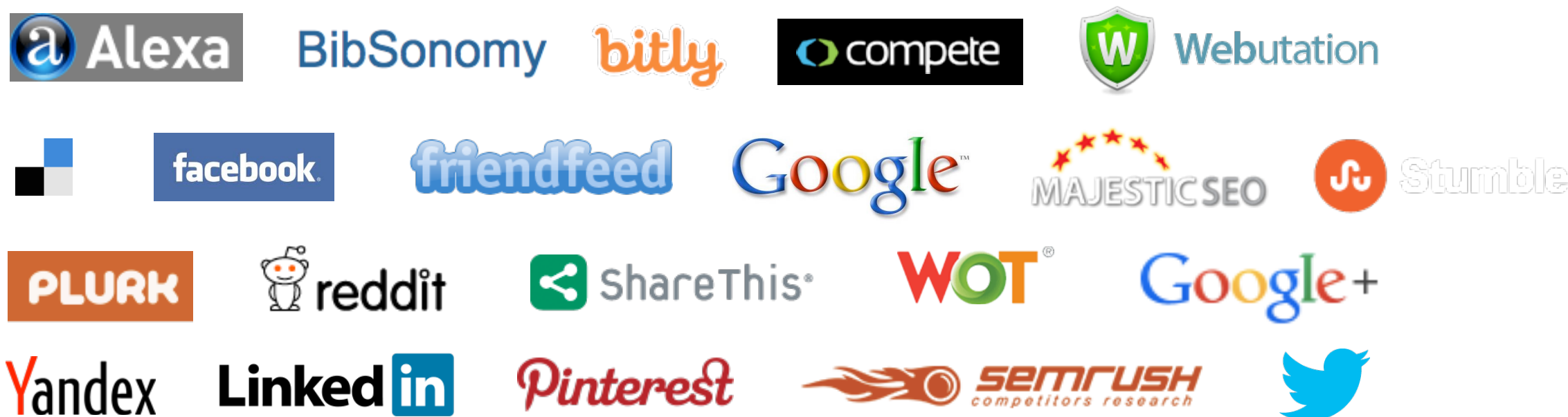


Access Web APIs

- Web Searcher



- Ranking Services



Geographic Data

- In the pipeline since quite a while, currently not in the nodes distribution
- Is this relevant for you? Get in touch!

LocationExtractor



Geo distances



CoordinateToLatitudeLongitude



ReverseLocationLookup



MapView

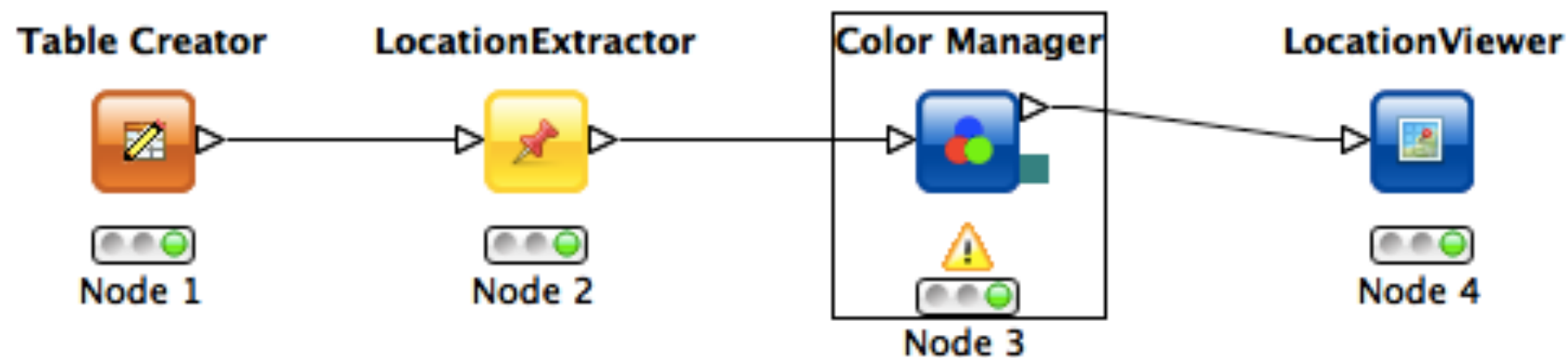


LatitudeLongitudeToCoordinate



Geographic Data

- Extract and disambiguate locations from unstructured text, visualize them on the map



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- Extract and disambiguate locations from unstructured text, visualize them on the map

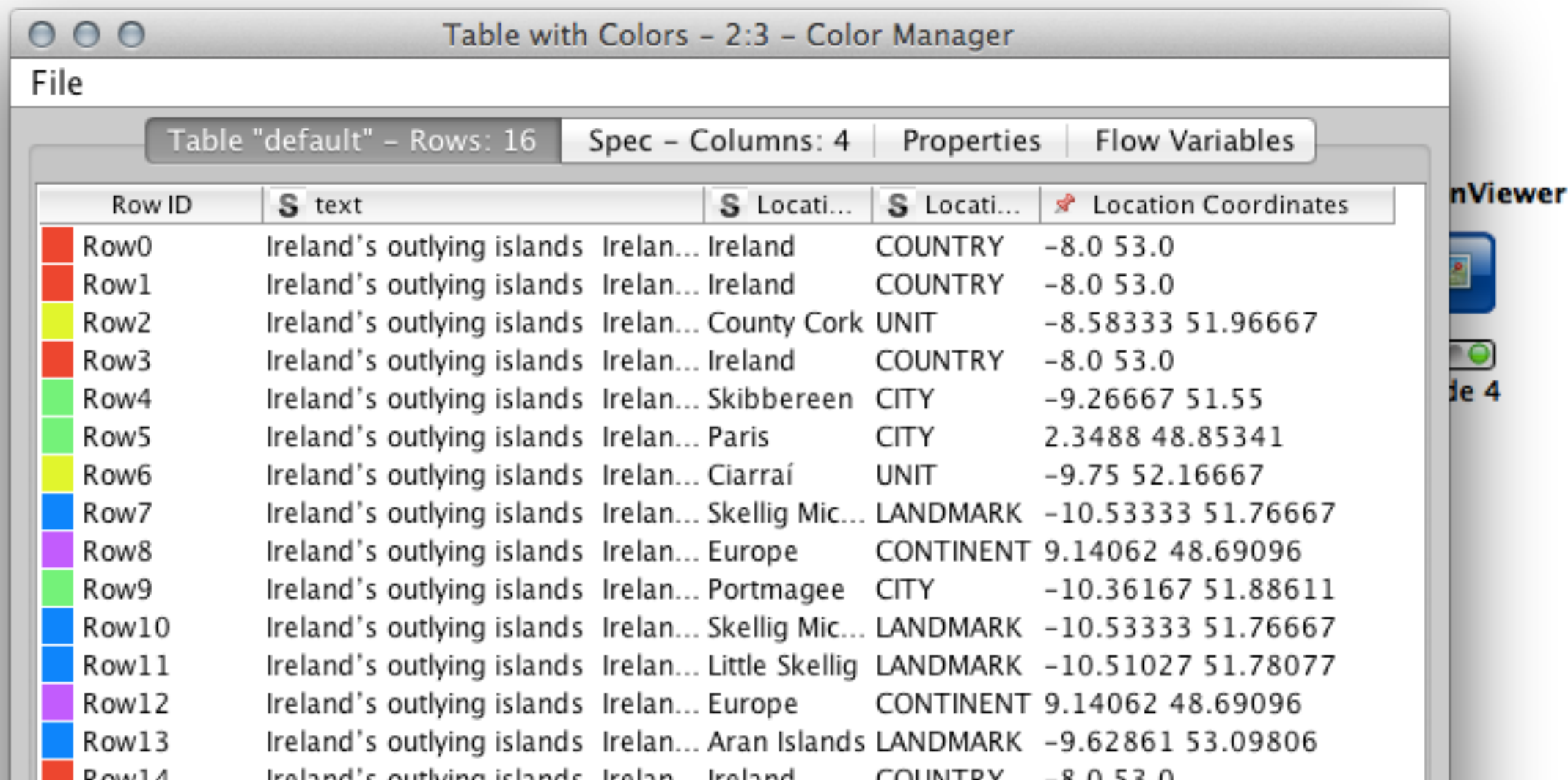


Table "default" - Rows: 16 | Spec - Columns: 4 | Properties | Flow Variables

| Row ID | text | Locati... | Locati... | Location Coordinates |
|--------|----------------------------|--------------------------|-----------|----------------------|
| Row0 | Ireland's outlying islands | Irelan... Ireland | COUNTRY | -8.0 53.0 |
| Row1 | Ireland's outlying islands | Irelan... Ireland | COUNTRY | -8.0 53.0 |
| Row2 | Ireland's outlying islands | Irelan... County Cork | UNIT | -8.58333 51.96667 |
| Row3 | Ireland's outlying islands | Irelan... Ireland | COUNTRY | -8.0 53.0 |
| Row4 | Ireland's outlying islands | Irelan... Skibbereen | CITY | -9.26667 51.55 |
| Row5 | Ireland's outlying islands | Irelan... Paris | CITY | 2.3488 48.85341 |
| Row6 | Ireland's outlying islands | Irelan... Ciarraí | UNIT | -9.75 52.16667 |
| Row7 | Ireland's outlying islands | Irelan... Skellig Mic... | LANDMARK | -10.53333 51.76667 |
| Row8 | Ireland's outlying islands | Irelan... Europe | CONTINENT | 9.14062 48.69096 |
| Row9 | Ireland's outlying islands | Irelan... Portmagee | CITY | -10.36167 51.88611 |
| Row10 | Ireland's outlying islands | Irelan... Skellig Mic... | LANDMARK | -10.53333 51.76667 |
| Row11 | Ireland's outlying islands | Irelan... Little Skellig | LANDMARK | -10.51027 51.78077 |
| Row12 | Ireland's outlying islands | Irelan... Europe | CONTINENT | 9.14062 48.69096 |
| Row13 | Ireland's outlying islands | Irelan... Aran Islands | LANDMARK | -9.62861 53.09806 |
| Row14 | Ireland's outlying islands | Irelan... Ireland | COUNTRY | -8.0 53.0 |

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Thank you!

Questions? Get in touch!

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KNIME forum