A taxonomist’s guide to Homo sapiens computans

How to cite:

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oro.open.ac.uk
Something, somewhere went terribly wrong.
The aim of this talk is to confuse you even more with names for an ape in front of a computer screen.
(a) Königsberg in 1736

(b) Euler's graphical representation
The International Plant Names Index

About IPNI

The International Plant Names Index (IPNI) is a database of the names and associated basic bibliographical details of seed plants, ferns and lycophytes. Its goal is to eliminate the need for repeated reference to primary sources for basic bibliographic information about plant names. The data are freely available and are gradually being standardized and checked. IPNI will be a dynamic resource, depending on direct contributions by all members of the botanical community.

IPNI is the product of a collaboration between The Royal Botanic Gardens, Kew, The Harvard University Herbaria, and the Australian National Herbarium.

NEWS

- Melbourne Code available online.
- From 1 January 2012 electronic material published online in Portable Document Format (PDF) with an International Standard Serial Number (ISSN) or an International Standard Book Number (ISBN) constitutes effective publication.

We want to make sure that IPNI captures all relevant nomenclatural novelties, whether published online or in printed form.

IPNI users can help. Let us know if you publish or find names in an online publication by sending us a link to the relevant site.

- To help you to quickly find information on authors, many new links have been created from author records to TLZ page in BHL. Try it out. Click on the link in this record.

TIPS

- Search results are sorted by family by default. If you would like them to be ordered by genus, deselect 'Sort by family'.
- When multiple distributions are cited, distribution of type is at the head of the geographical list. We record full distribution as cited in the protologue. This information isn't updated.
- To find recently published names of plants found in Bolivia, for example, use the advanced search page filling in the 'Country' field and the 'Added since' field.

Tips Archive...
From Königsberg to Kew

requirements analyst

computer programmer

database programmer

web (UI) programmer

end-user programmer

test author

tester

technical author
From Königsberg to Kew

computer developer
Data mining

• Direct data:
  – what you bought

• Indirect data:
  – social circle indicates likely to repay loan
  – just applied for eighth credit card...
Data mining – MIT example

New model of disease contagion ranks U.S. airports in terms of their spreading influence

Airports in New York, Los Angeles and Honolulu are judged likeliest to play a significant role in the growth of a pandemic.
Data mining – NSA example
Text mining however...

Frankly, there is not a lot of money in finding loesicoUis and correcting it to lœsicollis.
What a computer used to look like