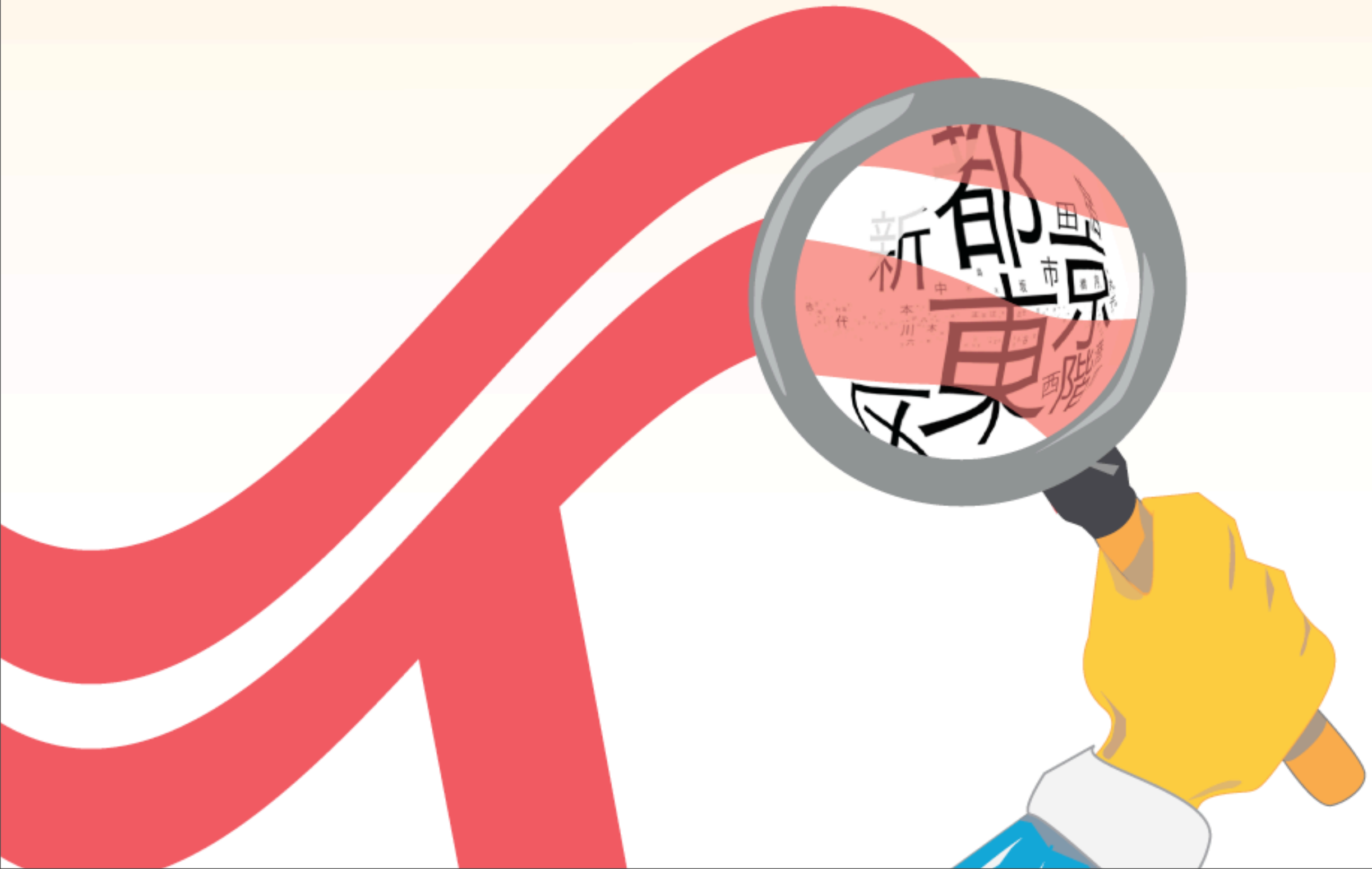


VISUALIZING INFORMATION

THE JAPAN POST ADDRESS FILE



VISUALIZING PATTERNS

Analysis Driven by Curiosity



<http://flickr.com/lucapost/694780262/>

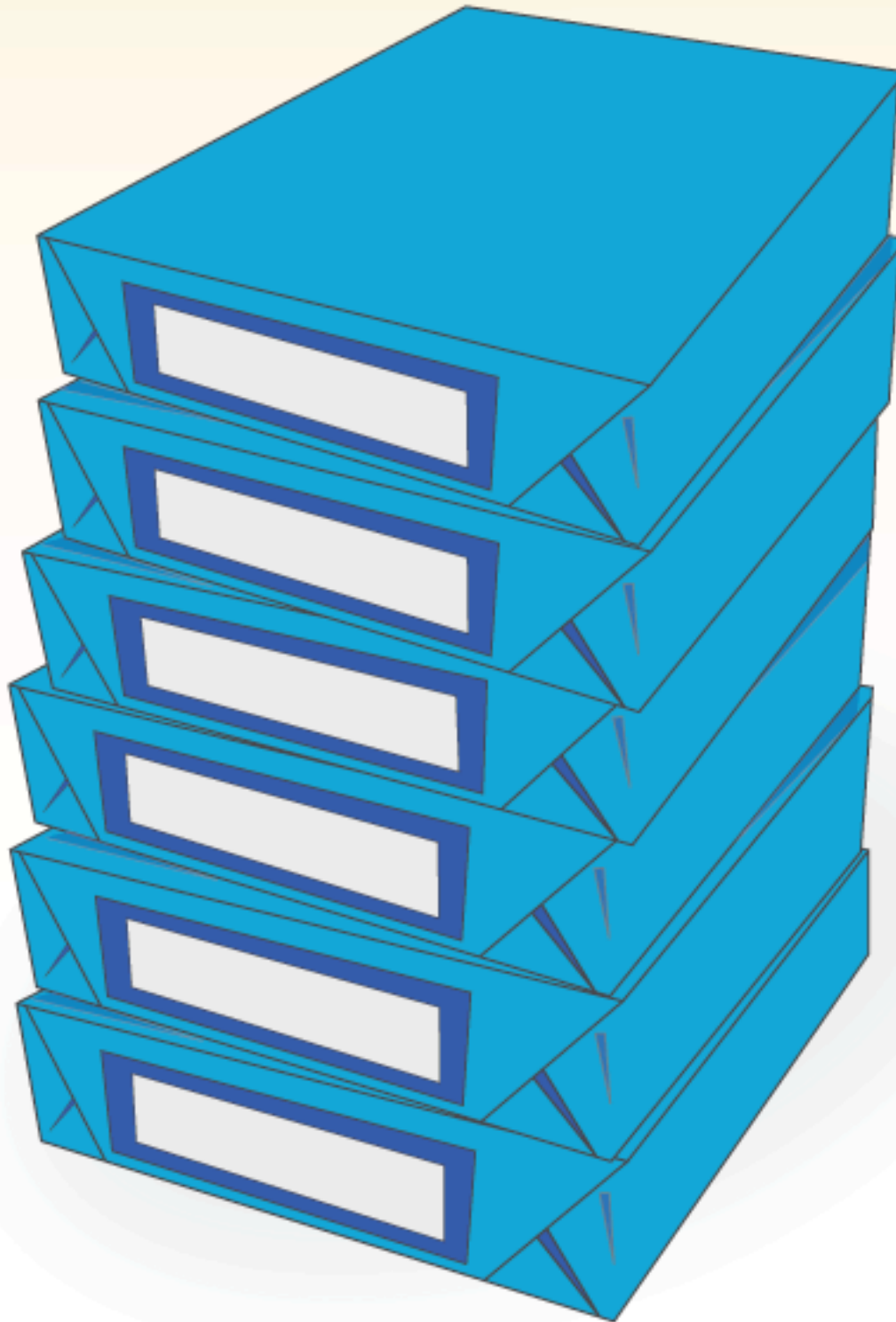


<http://nikkigraziano.com/ff3.html>



<http://flickr.com/aricee/64358127/>

VISUALIZING DATA VOLUME



Given:

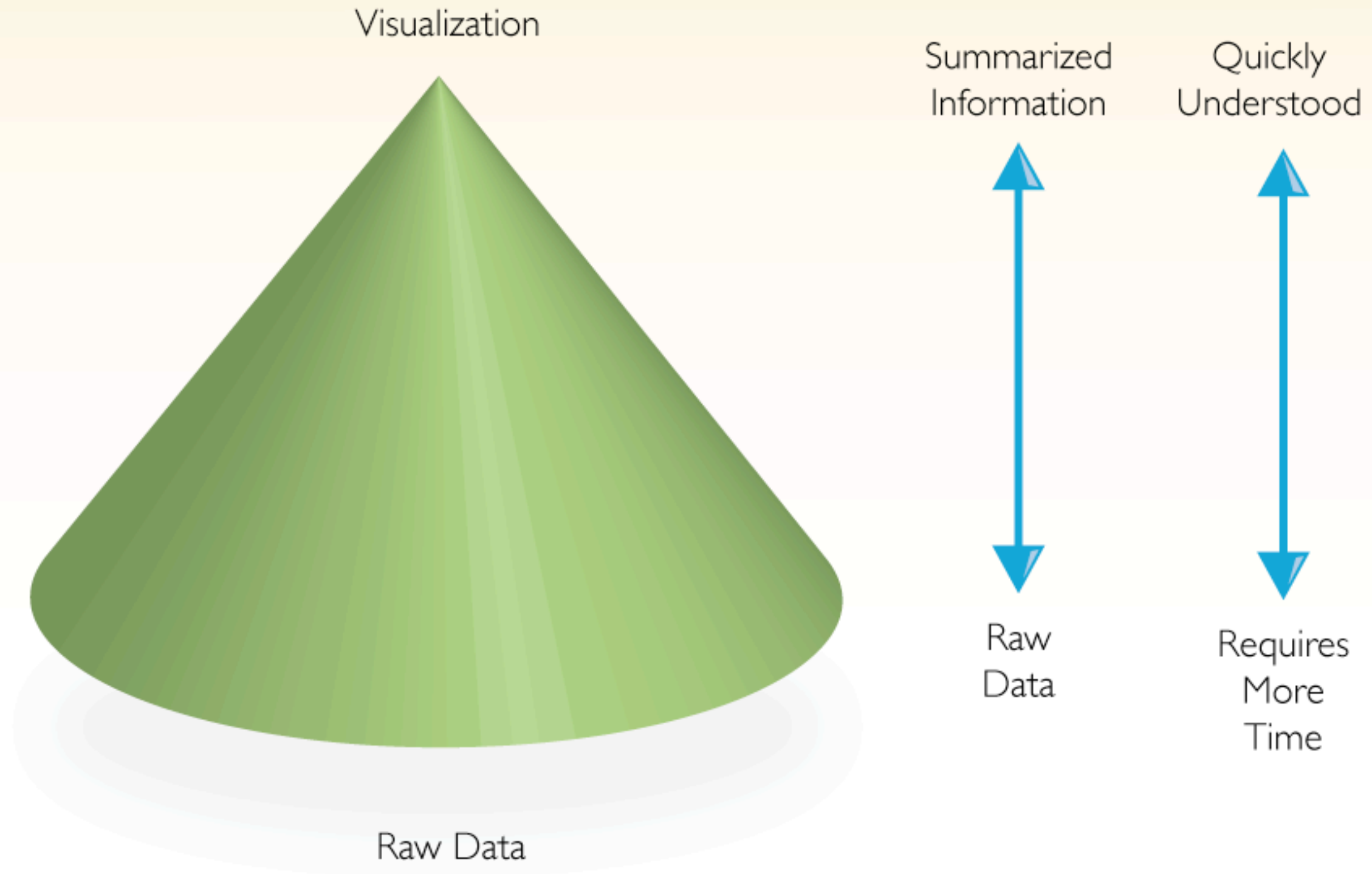
122,882 Addresses

19 Addresses/A4 Page

500 Pages/Paper Ream

Printing Double-Sided Would Take:
6.4 Reams of Paper

DATA vs. INFORMATION VISUALIZATION

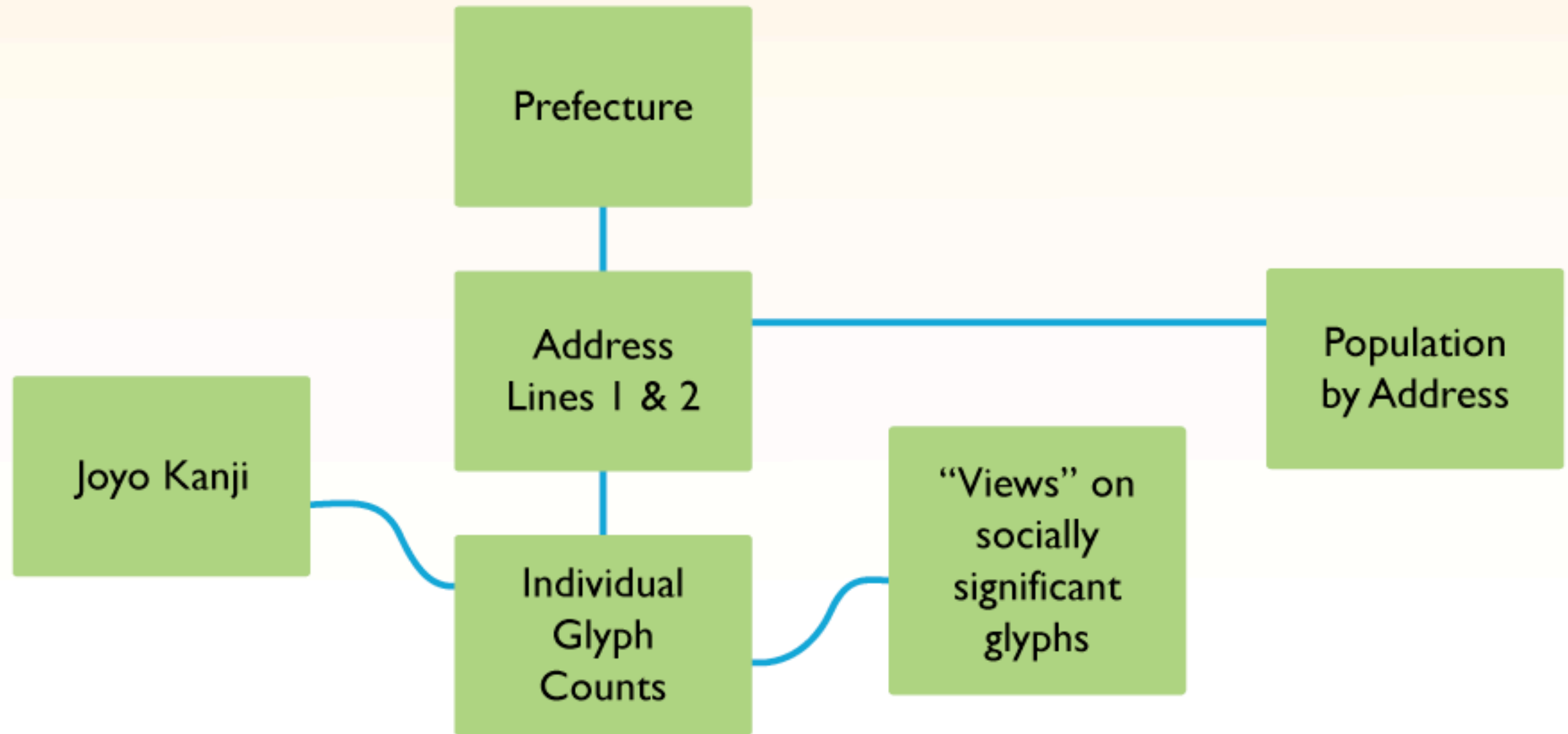


LEVEL OF DETAIL IN VISUALIZATIONS

Based on the Japan Post Address File

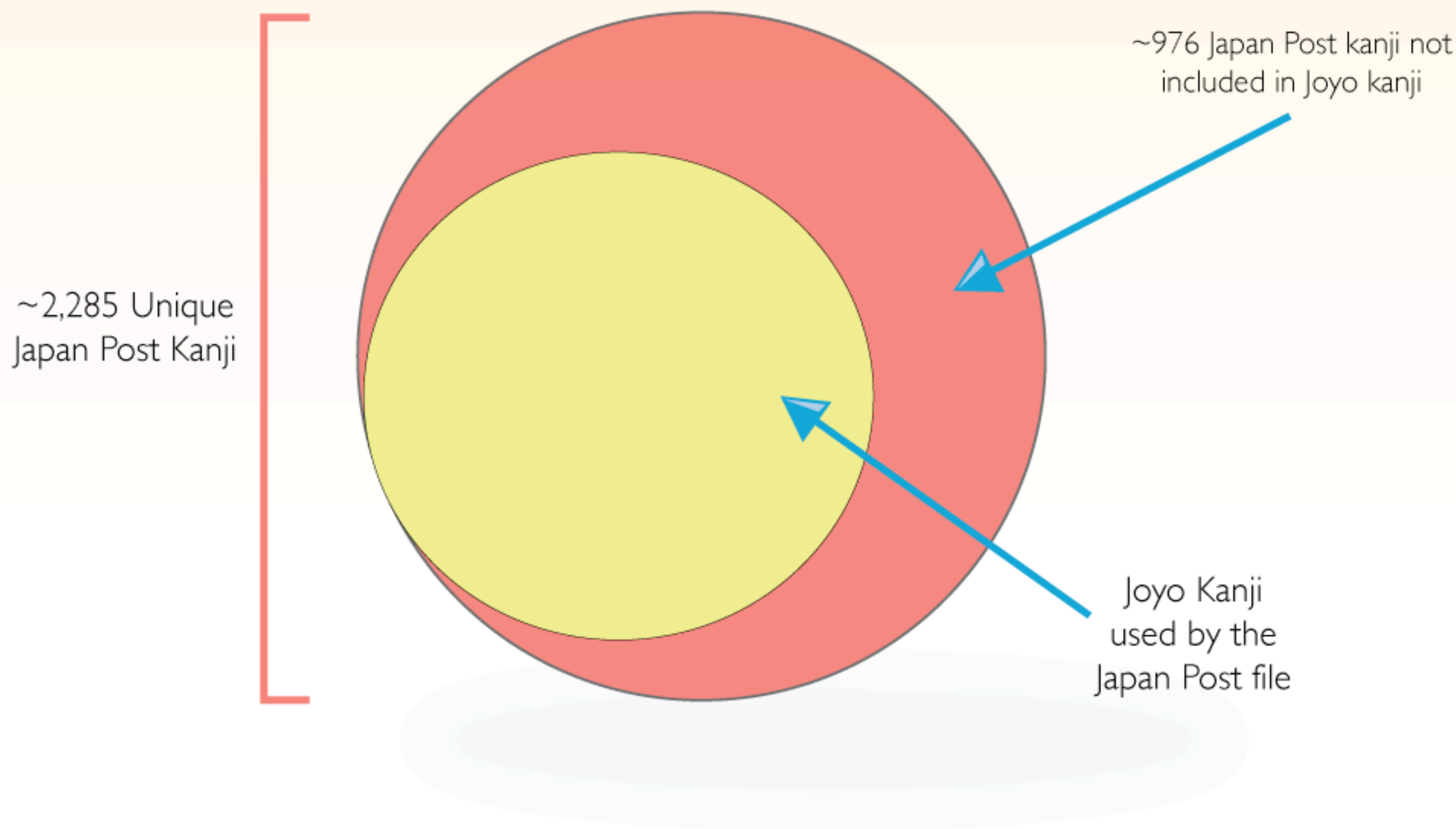


HIGH-LEVEL MODEL/APPROACH



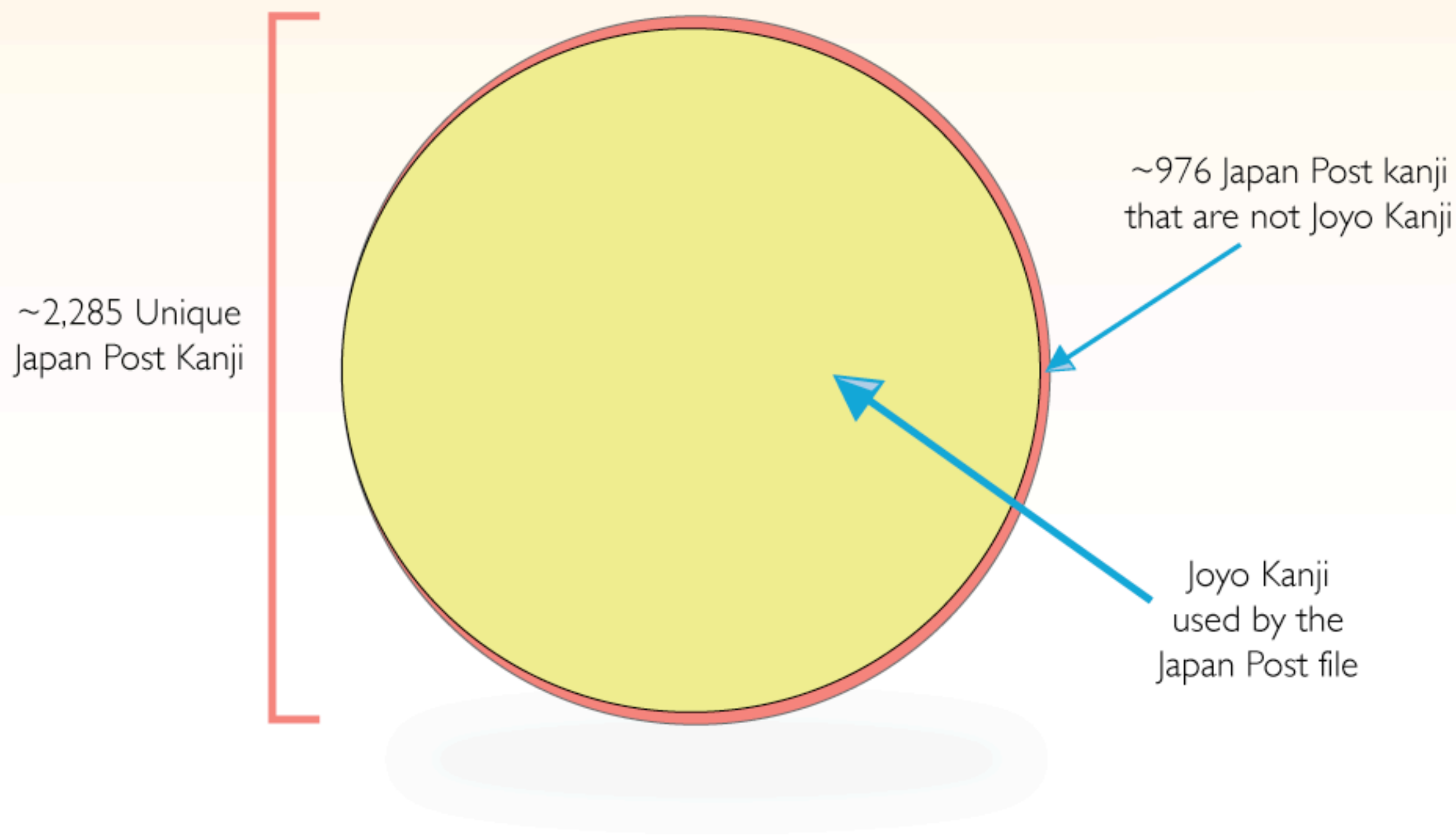
JAPAN POST KANJI vs. JOYO KANJI LIST

Not Adjusting for Frequency in Japan Post Address List



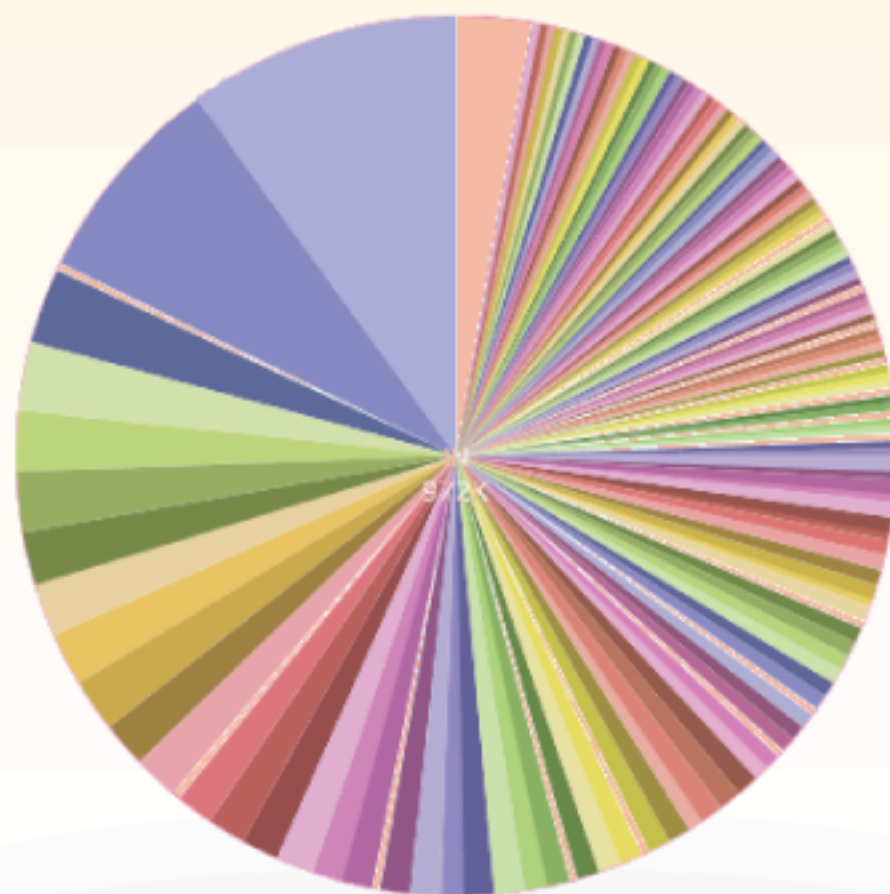
JAPAN POST KANJI vs. JOYO KANJI LIST

Adjusted for Frequency in Japan Post Address List

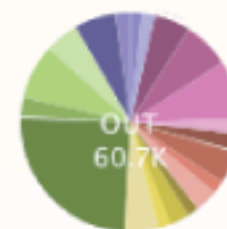


JAPAN POST KANJI OCCURRING > 1,000x

Taught in Elementary Grades 1-6



Not (Officially) Taught
in Elementary Grades 1-6



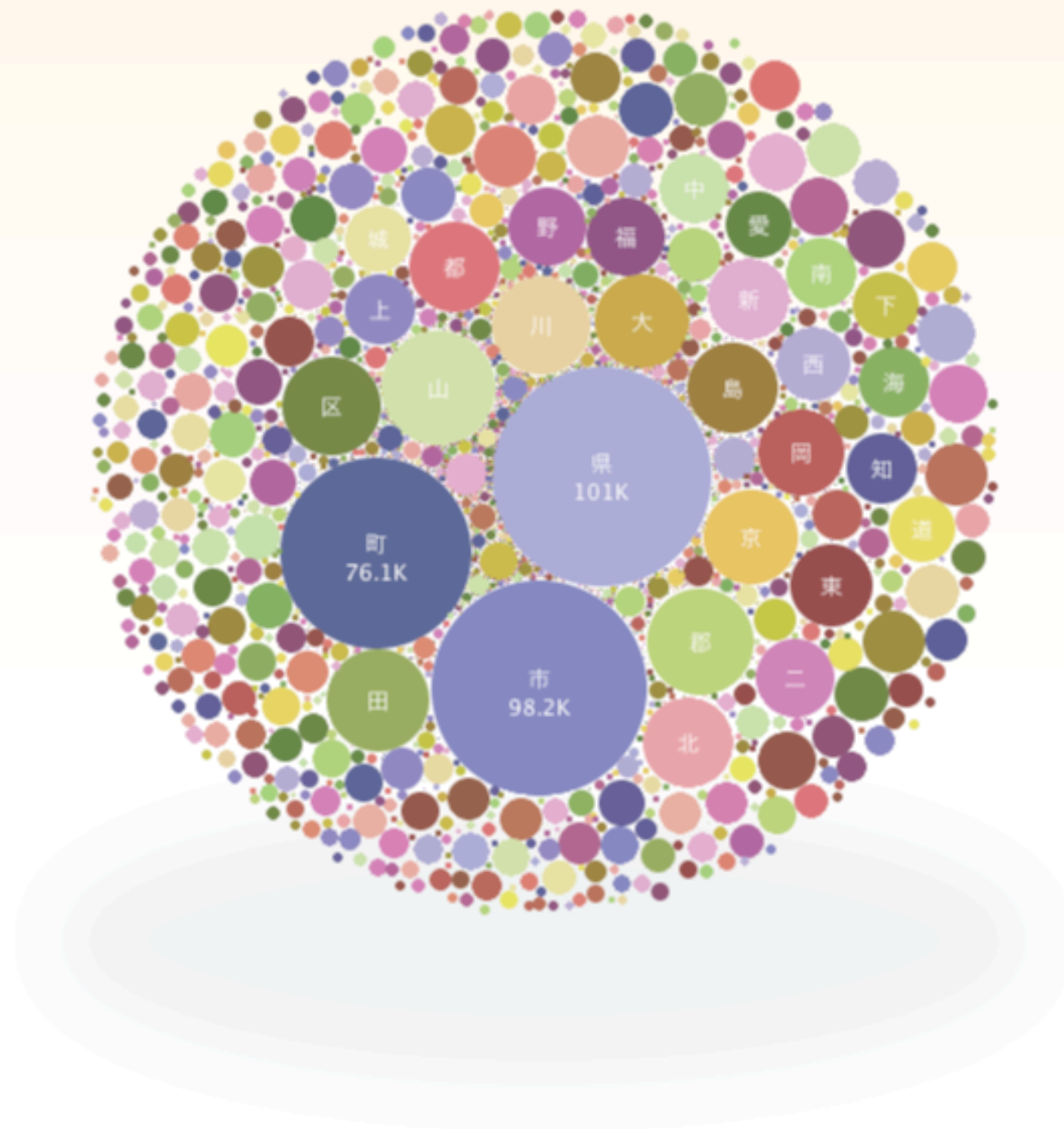
Glyphs occurring 1,000+ times make up 85%
of the entire Japan Post address file. (1,179,788/1,389,876).

Japan Post total
non-unique glyphs

Unique glyphs
occurring
1,000x or more

JAPAN POST KANJI FREQUENCY

Circle Size = Glyph Frequency. Nationwide.



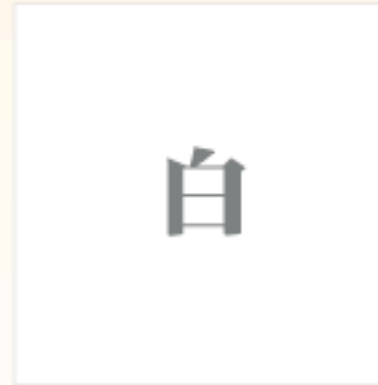
TOP KANJI BY FREQUENCY NATIONWIDE



MAJOR COLORS IN JAPAN POST ADDRESSES



red



white



purple



gold



blue



green



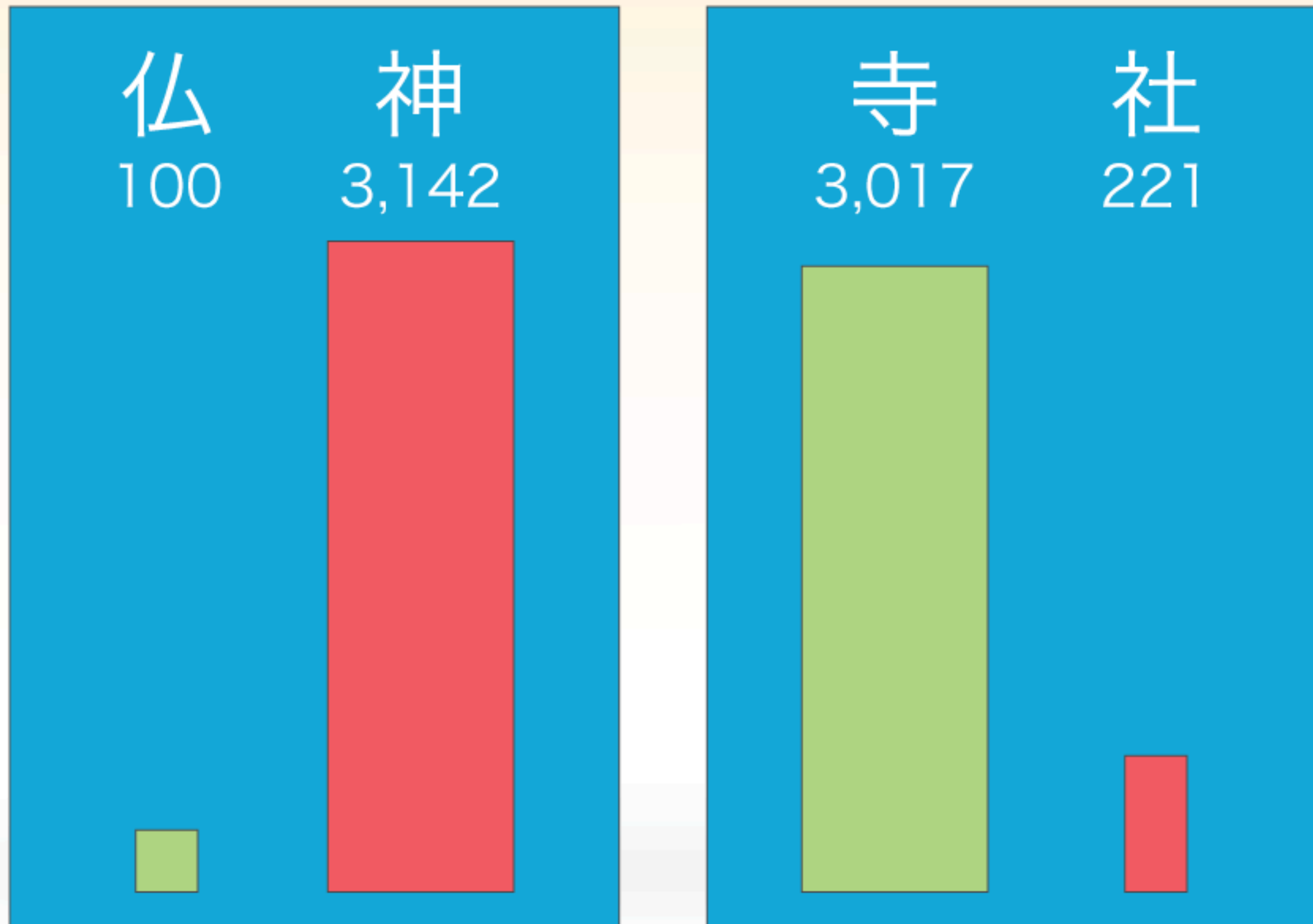
black



COLORS BY KANJI FREQUENCY



TUTELARY (RELIGIOUS) KANJI PATTERNS



(Filtered for Kanagawa Prefecture which contains '神'. Significant sized cities, such as Kobe City, not filtered. Filter including Kobe City puts 神 count to 2,262.)

WORD FREQUENCY IN TOKYO (UNFILTERED)



Inputs are "Address Lines 1 & 2" rather than glyph frequency.

MALE, FEMALE, CHILD KANJI BY FREQUENCY

男
88

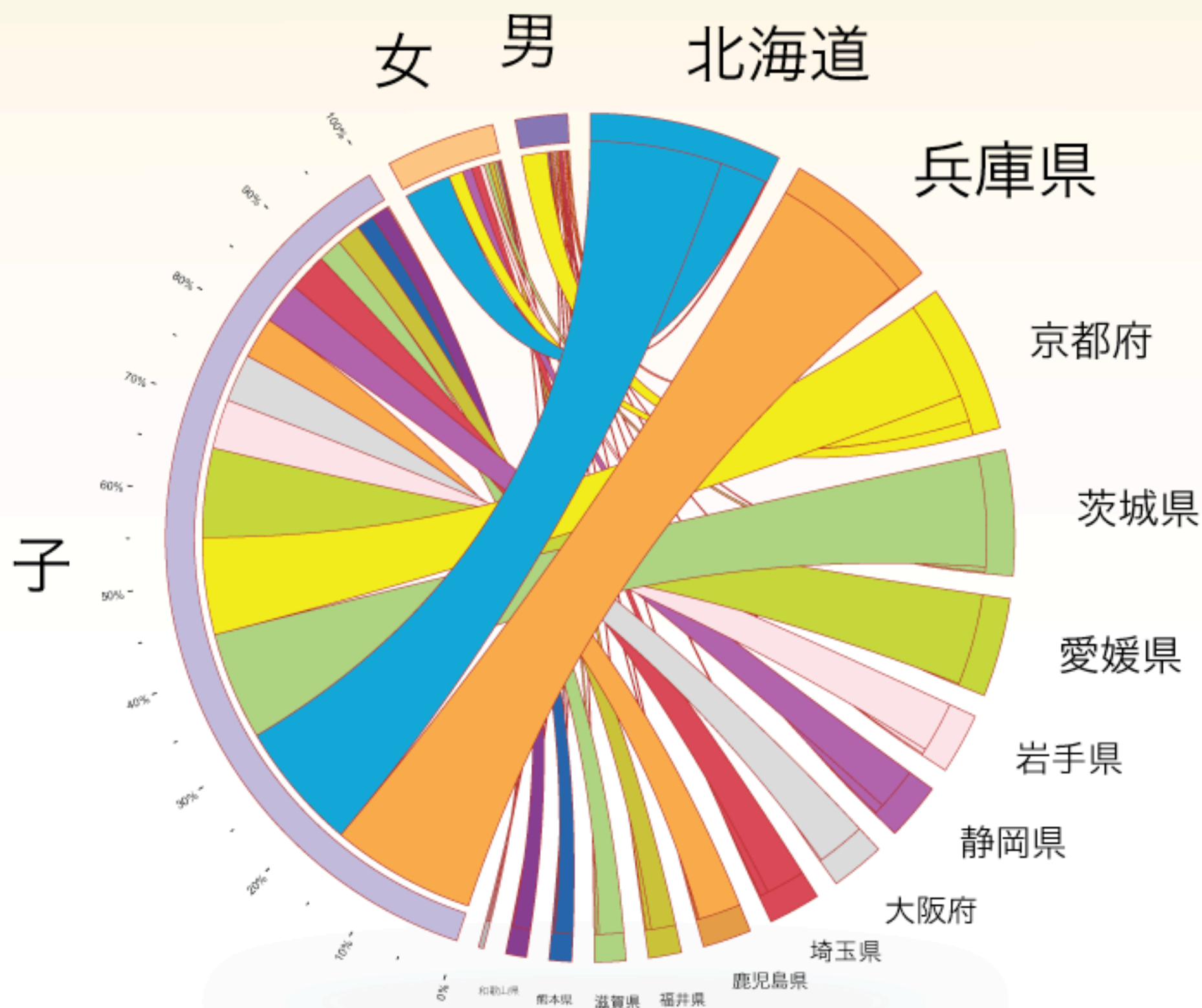
女
238

子
1,711 times

Frequency only - not including alternate meanings for the glyphs.

KANJI DISTRIBUTION BY PREFECTURE

For glyphs “child”, “woman”, “man”



SOURCES, TOOLS, DOCS

DATA SOURCES

<http://www.post.japanpost.jp/zipcode/download.html>

http://en.wikipedia.org/wiki/List_of_jōyō_kanji

VISUALIZATION TOOLS

<http://manyeyes.alphaworks.ibm.com/>

<http://mkweb.bcgsc.ca/circos/>

THIS PROJECT'S DOCUMENTATION AND SOURCE

<http://github.com/tokyoproject/>



FUTURE POSSIBILITIES

