

Yo, Ed

Here are some of the things I made for Nick, plus some for you. They have a commercial slant, because he's trying to start a business, but they should be useful.

The jpegs are stuff we're working on now. Many are from streaming twitter feeds, including, for your reading pleasure, one in Estonian.

I recommend looking first at the "what we do" text, which describes Galileo and it's descendants briefly. If you remember when we did the joint meeting with the psychometricians to talk about Galileo, you led off with a great talk, clear as crystal, about what we did. When we broke for lunch, Jim Ramsay, the then president of the Psychometric Society, opined as he couldn't understand a word you said. Since he's a very smart guy, and your talk was very clear, I was confused, and I asked him to explain. He said that he knew all the people who did multidimensional scaling and what they did was so different from what we were doing that it confused him. He suggested we not use the term MDS to describe our work, because it would only lead to confusion. I have never referred to it as MDS again thereafter. When I asked him what he thought we should call it, he said "Call it Galileo. That's what everyone else calls it."

Since then, MDS has become the kiss of death in the business world, because it was so imprecise as to be useless. So saying what we do is MDS puts us in a hole we can't get out of.

Probably the most useful file is elect.jpg, which shows the 16 presidential for three people, democrat, a republican and an independent. Of course you can't generalize, but it shows you can use it to describe individuals and small groups as well as large statistical samples.

Based on these coordinates are two files, elect.out and elect.amg. Elect.out shows how to play "what if" with the election. Using distance equations based on the generalized equations of relativity for high dimensional non-euclidean spaces with which you are familiar, we compute the likely effects of various messages, just like the old Automated Message Generator. It should be self explanatory. Elect.amg is similar, except we asked the program to calculate all possible messages and print out only the top few...

Indstarlet is a brief explanation of Indstar — Interactive Neural Detection Storage and Retrieval — with which we are able to estimate the Riemannian distances among sets of elements on lists using the neural algorithm in Catpac. Indstar reads the text in demo.txt, learns the relationships among the elements on the list, and can then be queried. Indstarlet is the result.

Cities.txt is the result of three people responding to three questions about Buffalo,

Detroit and San Diego. Cities.cat is the result of Catpac analysis of this text, and cities.jpg is the resulting Galileo space made from the text. Cool beans.

Let me know if you'd like the actual software so you can play live.
I'm here if you need anything!

Joe