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Rule-making by politicians, zoning constituencies by AI

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Cho et al., wrote an article entitled “Human-centered redistricting automation in the age of AI” (1). This is not a new automation approach since we have proposed the automation method for single-member electoral constituency districting system in Japan in 1996 (2). The proposed method is based on a neural computing approach for automatically zoning constituencies (2). However, the Japanese government did not use the proposed method since politicians want to manipulate zoning constituencies for taking advantage of their election. The problem lies in how much politicians should be involved in zoning constituencies. My recommendation is that rules of zoning constituencies should be built or advised by human politicians while real zoning constituencies should be done by AI system using pseudorandom numbers (3). In other words, humans should not be involved in zoning constituencies for maintaining fairness.

References:

1. Wendy K. Tam Cho et al., Human-centered redistricting automation in the age of AI, Science 04 Sep 2020: Vol. 369, Issue 6508, pp. 1179–1181
2. T. Saito, Y. Takefuji, A neural computing approach to single-member electoral constituency districting system in Japan, IPSJ, April 15 1996, [https://ipsj.ixsq.nii.ac.jp/ej/?action=repository\\_uri&item\\_id=13699&file...](https://ipsj.ixsq.nii.ac.jp/ej/?action=repository_uri&item_id=13699&file...)
3. Y. Takefuji, Machine learning plays a key role in FDA drug approvals, Science (eLetter, 6 July 2018) <https://science.sciencemag.org/content/361/6397/21/tab-e-letters>