Analysis of attitudes toward research integrity and evaluation system of Japanese scientists in life-science fields

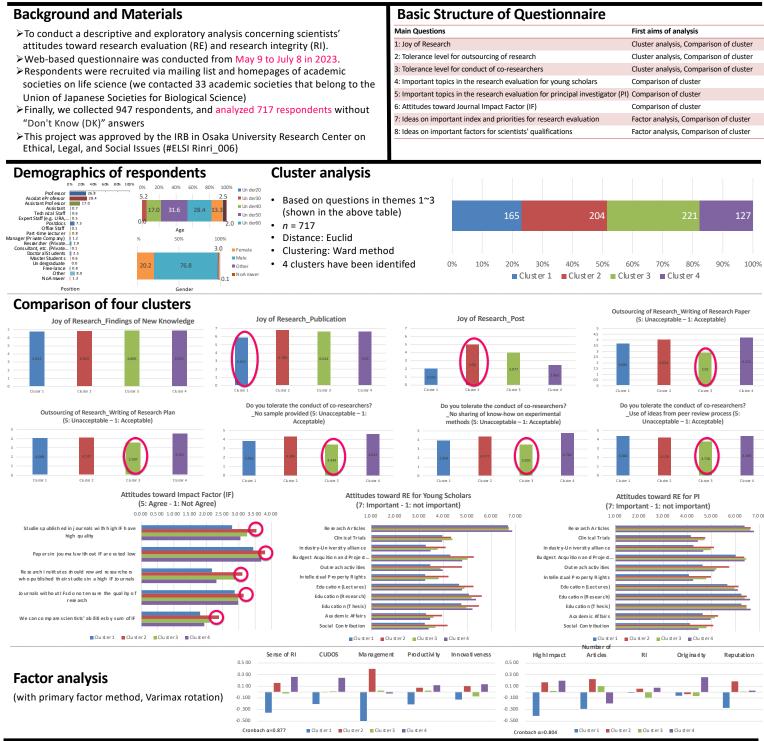
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Objective

As global competition intensifies, the evaluation of researchers has become a major issue in the research environment. In this study, we conducted an attitude survey to extract academic and policy knowledge regarding how to create an environment in which researchers can exercise their original motivation and engage in healthy research activities.



Summary

We extracted and named four clusters.

Cluster 1 (Research Immersion Type) is primarily interested in discovering new things, with little concern for other aspects. There may be an overlook of misconduct due to indifference. Cluster 2 (Ascent-Oriented Type) is motivated by promotions and securing research funding. Although they adapt well to the current evaluation system, they have a high awareness of research ethics simultaneously.

Cluster 3 (Status Quo Affirmation Type) has little commitment or ideals toward research activities. They are relatively reluctant to items related to RI.

Cluster 4 (Craftsman-Oriented Type) focuses on originality and quality rather than social recognition. They are relatively strict on research ethics.

Other points:

- Based on results of cross-tab with age, the younger researchers seem to have already internalized the "competition" principle and meritocracy.
- This statement is not intended to assess the effectiveness of training on research fairness and ethics; however, the attitudes of groups such as Clusters 2 and 4 may be exploitable.

Is it possible to approach Cluster 1? <u>The response required/reached/needed for each cluster is different.</u>