Regarding the incumbent variable, I believe the 2019 version treats those not running as NA while the other versions treat those not running as incumbents

Job Seeker’s Ratio data from Ministry of Health, Labor, and Welfare (Japan). 2021. “Ippan Shokugyō Shōkai Jōkyō [An Introduction to the State of the General Labor Market]. http://www.mhlw.go.jp/toukei/list/114-1.html. I used the data from June 2019 because the election was in July

2019 foreigners prefecture data was from the MoJ statistics. 在留外国人統計（旧登録外国人統計）統計表. I used 6/2019 data. http://www.moj.go.jp/isa/policies/statistics/toukei\_ichiran\_touroku.html

Prefectural population data was from 2020 Japan statistical yearbook, <https://www.stat.go.jp/data/nihon/index1.html>

2013 and 16 results data from Ko Maeda, <http://politicalscience.unt.edu/~maeda/>