

Countries with foodscape similar to Australian.

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Introduction

Successful Australian food-chain company based in Canberra is to open restaurants in new country, starting with country's capital. Company would like to find out the country that has food scene most similar to Australian capital for best chances of success.

Data

- List of world capital with coordinates: json file sourced from <http://techslides.com/>
- Data on food venues in world capitals, sourced via foursquare REST API
- Country shapes, for visualisation, sourced from www.naturalearthdata.com in form of geojson file

Methodology

Data on venues have been collected from Foursquare. Each category for each capital has been assigned a weight according to how often venue from it has been found, as a fraction from all venues. We define foodscape as position determined by weights assigned to each category as coordinates. Distance in foodscape space have been computed from Australian capital to all other world capitals.

Results

Distance in foodscape space from Australian capital to all other world capitals have been plotted on world map Fig.1. Closest countries are shown in Table.1. The shortest distance is determined to be to New Zealand.

Discussion

For greatest chance of success company should open restaurant in New Zealand's capital as evident geographical neighbour shares foodscape. If company desires to move to Europe, best options might be Greece, and Ireland, with Oman being a choice if company would like to extend to Arab peninsula. Ireland, Oman, Greece all showing similar distance.

Conclusion

Company should extend to Auckland, New Zealand.

	Country	dist
0	Australia	0.000000
1	New Zealand	0.209927
2	Ireland	0.240447
3	Oman	0.256490
4	Greece	0.257527
5	Czechia	0.262746
6	Uganda	0.264504
7	Qatar	0.266455
8	Kuwait	0.268209
9	Libya	0.280563
10	Slovakia	0.281491

Table 1. Countries with shortest distance in foodscape space from Australian capital to their capitals

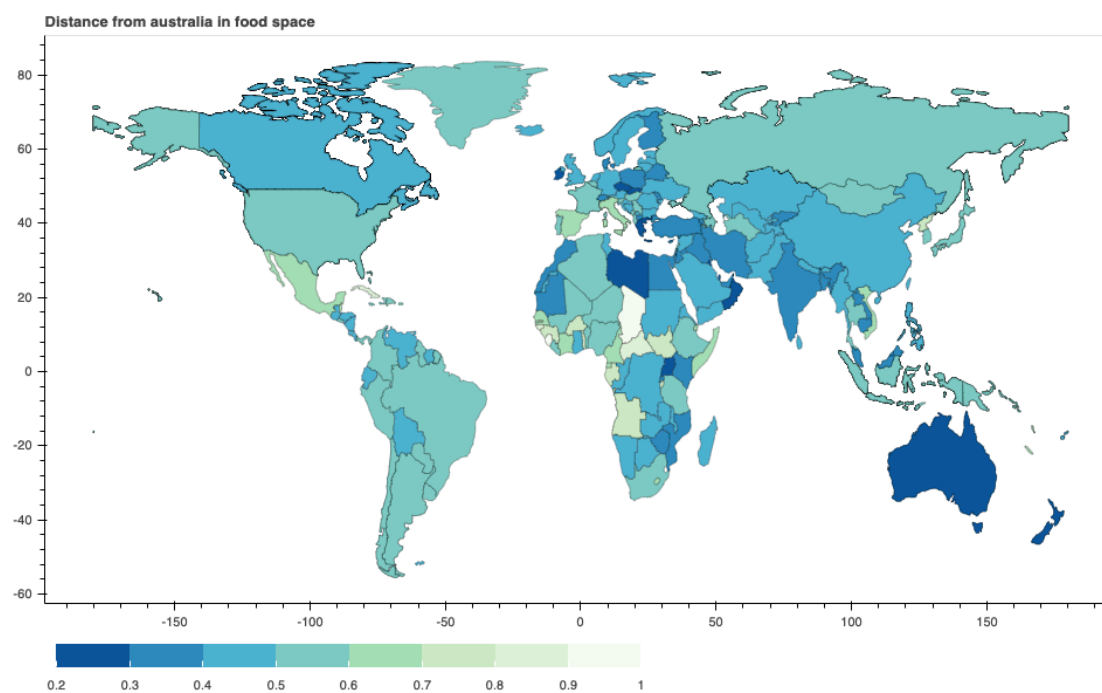


Fig.1. Distance in foodscape (scaled for range to be 0 to 1) from Australian capital to other world capitals. Darker is shorter distance