

FIT3179 Data Visualisation

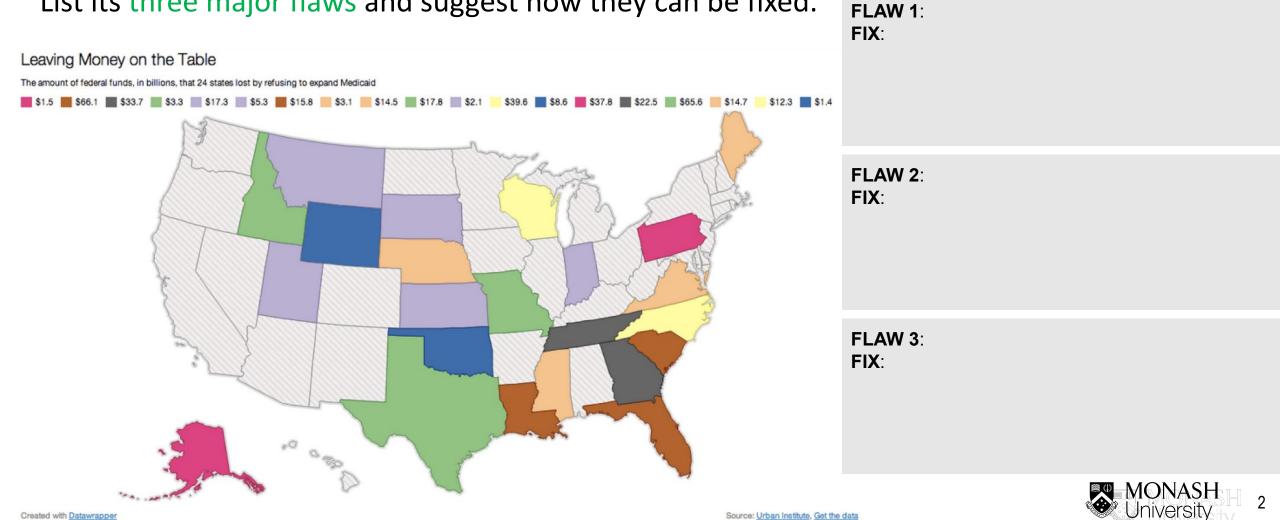
Week 8 Workshop

Map Idioms

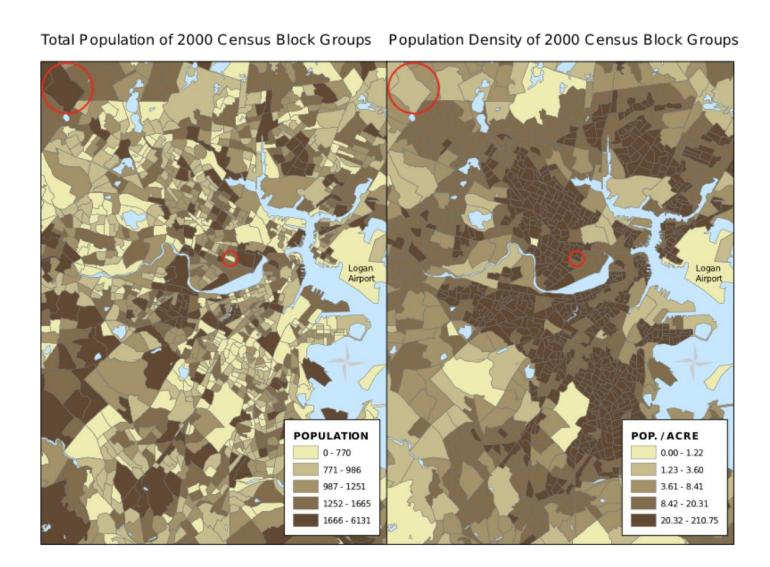


The map below is a disaster.

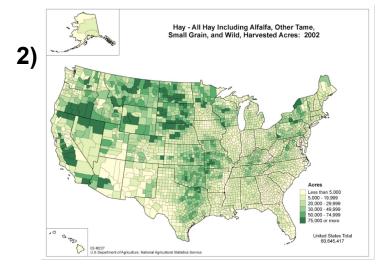
List its three major flaws and suggest how they can be fixed.

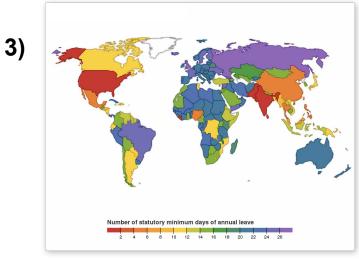


Write one sentence that explains why the left map is misleading and the right map is correct.



Critique the map below. Is there something wrong?

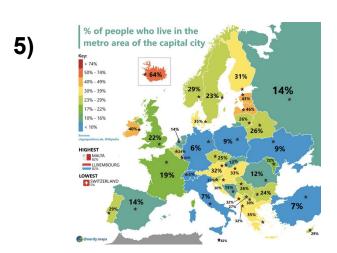


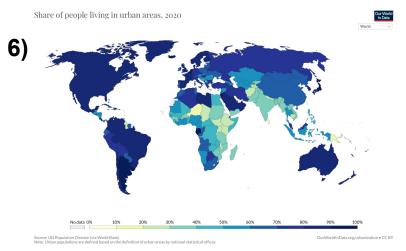


Confirmed cases of COVID-19 coronavirus in France [14.03.2020]

Saint
Bretagne

In-10
In-50
In-1-50
In

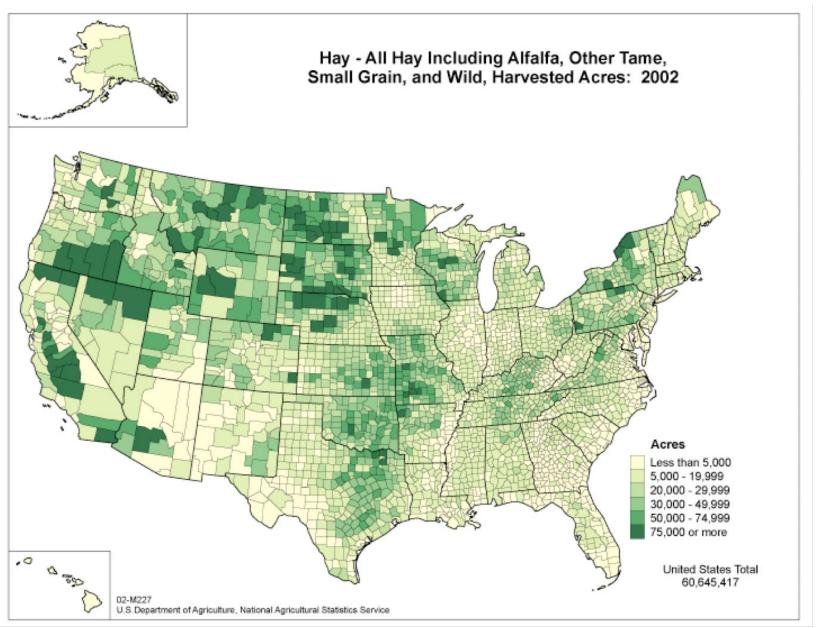




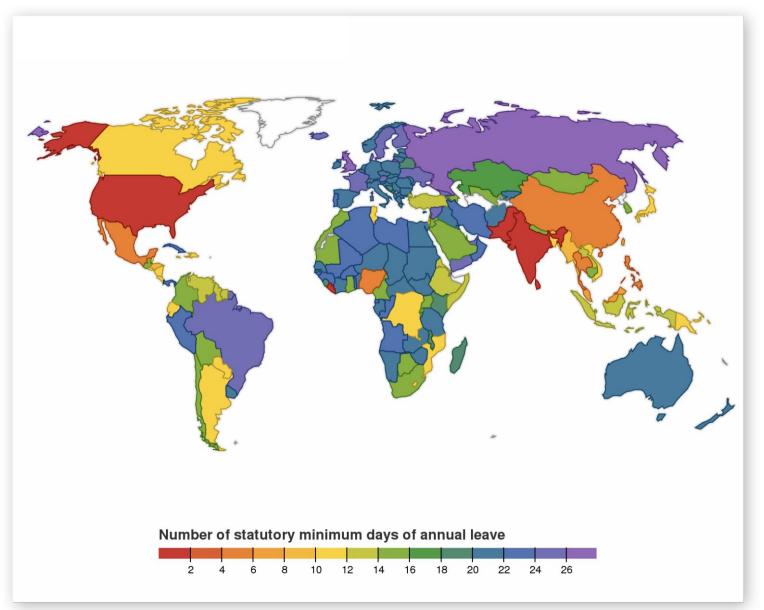




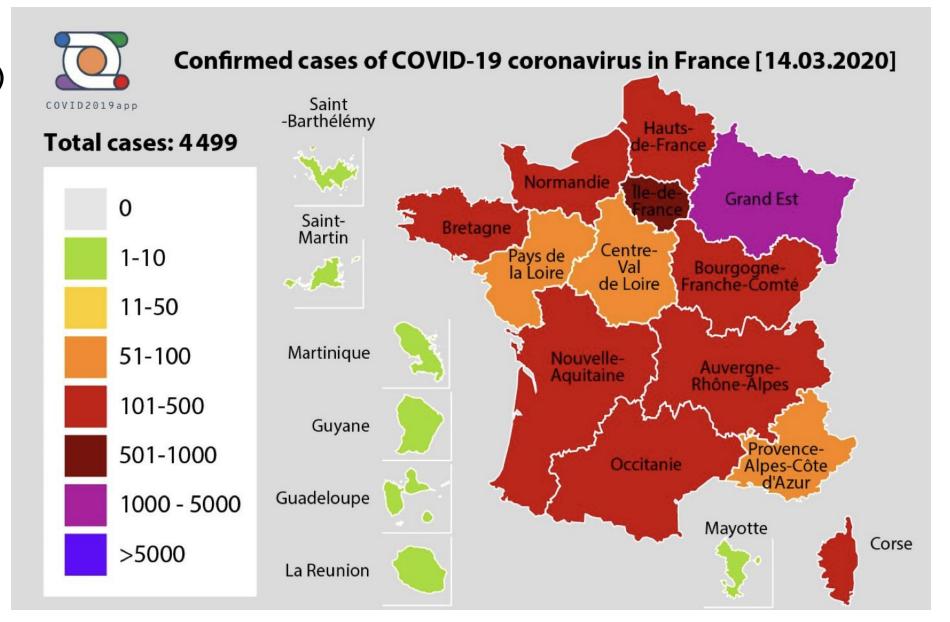
Example 2)



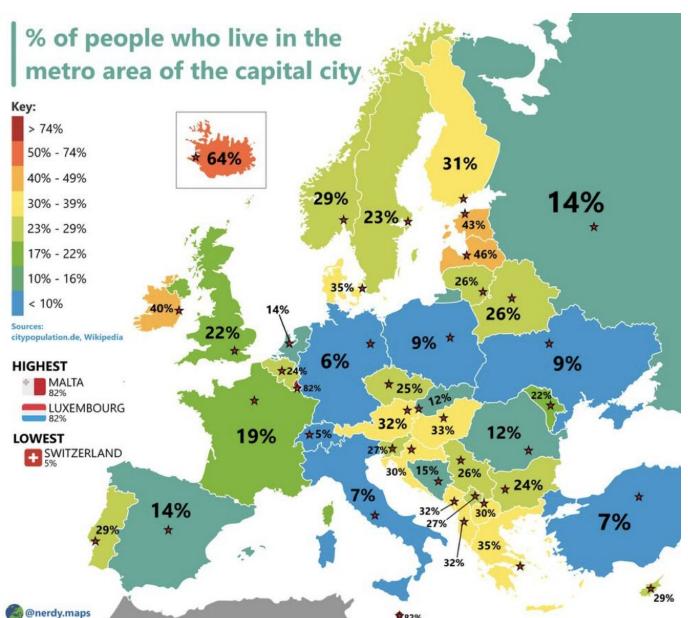




Example 4)



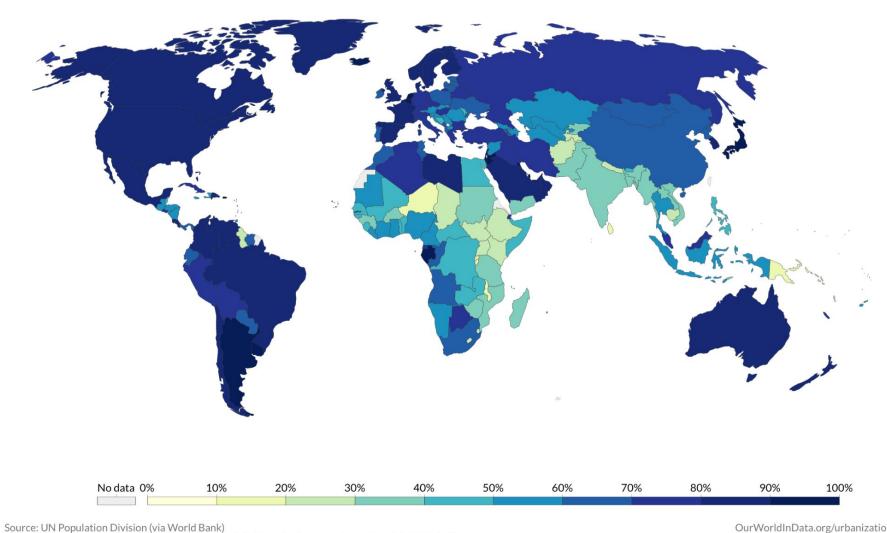
Example 5)



Share of people living in urban areas, 2020

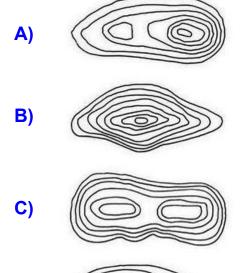


Example 6)



Activity – Reading Contour Lines

On paper, draw a profile along a horizontal line for each contour map.









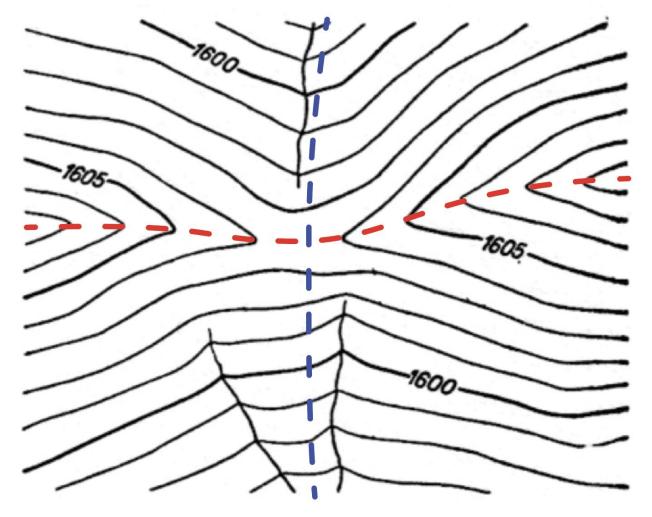
Activity – Contour Profiles

On paper, draw profiles along the red and blue dashed lines for this contour line map. The lines perpendicular to the contour lines are creeks.

Where are the highest and lowest points on this map?

Mark them if they are on your profile.

What kind of topography is this?



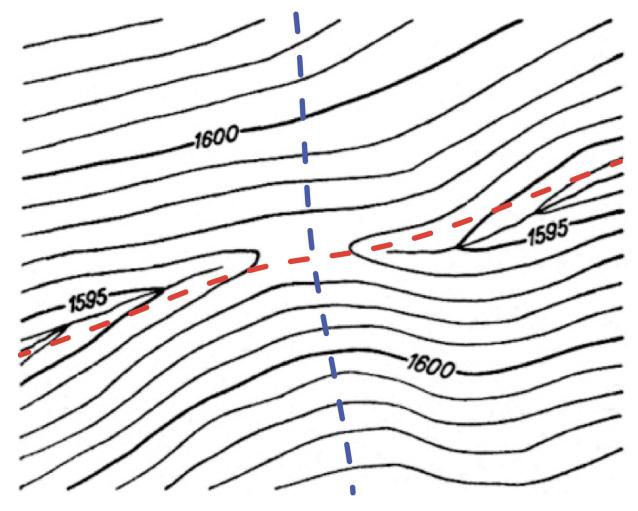
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Activity – Selecting a Map Idiom

The Victoria Department of Energy, Environment and Climate Action runs a citizen science project where people report observed animals. You create a small map of observed magpies from this dataset. There are several thousands of magpies stored in this geometry point dataset.

- 1. What are three map idioms that you can use to visualise this point dataset?
- 2. Sketch the three maps.
- 3. What are the pros and cons of each idiom?
- 4. Is it necessary to transform the point geometry to another dataset type? How do you create the new dataset type?

1. Idiom:	1. Idiom:	1. Idiom:
2. Pros & cons:	2. Pros & cons:	2. Pros & cons:
3. Transformation:	3. Transformation:	3. Transformation:
		MONASH 12 University

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