MONASH University

FIT3179
Data Visualisation

Week 7 Workshop

Map Projections

Activity 1A – Map Projections

Locate the two countries below, and fill in the missing information.
From this information, suggest developable surfaces for area-preserving projections.

Kenya

Aspect ratio (portrait, landscape, or square):

Central latitude (near equator, between equator and pole, pole):

Developable surface:

Chile

Aspect ratio (portrait, landscape, or square):

Central latitude (near equator, between equator and pole, pole):

Developable surface:

Activity 1A – Map Projections

Locate the two countries below, and fill in the missing information.
From this information, suggest developable surfaces for area-preserving projections.

South Africa

Aspect ratio (portrait, landscape, or square):

Central latitude (near equator, between equator and pole, pole):

Developable surface:

Indonesia

Aspect ratio (portrait, landscape, or square):

Central latitude (near equator, between equator and pole, pole):

Developable surface:

Activity 1A – Map Projections

Locate the two areas below, and fill in the missing information.
From this information, suggest developable surfaces for area-preserving projections.

Australia mainland without Tasmania

Aspect ratio (portrait, landscape, or square):

Central latitude (near equator, between equator and pole, pole):

Developable surface:

Melbourne

Aspect ratio (portrait, landscape, or square):

Central latitude (near equator, between equator and pole, pole):

Developable surface:

Activity 1B – Map Projections

1) For the following maps, what projection do you use? Why?
2) What is the developable surface of the map projection?

- A map showing the reach of North Korea's missiles.
- A map of the world with time zones to help employees of a big international company to find out when it is a good time to call their colleagues in other continents.
- A map showing global ocean surface temperature anomalies. The map focuses on the Pacific Ocean.