

Connectivity

- Globalization
 - Economic globalization
 - Transnational corporations (invest/operate in many countries)
 - Cultural globalization
 - A global culture?

Space: Distribution of Features



What is distribution?



Density

An aerial photograph of a densely populated city, likely Tokyo, with a vast expanse of buildings and structures. In the background, the iconic snow-capped peak of Mount Fuji is visible under a clear blue sky with some light clouds. The city's layout is highly compact, illustrating the concept of density.

How many things are in one square unit of space?

Concentration



How closely are things related to one another in a space?

Pattern

An aerial photograph of a vast agricultural landscape. The land is divided into a complex grid of rectangular plots. The plots vary in color, including vibrant greens, light browns, and dark browns, indicating different stages of crop growth or different types of crops. The overall pattern is highly organized and repetitive, illustrating the concept of a pattern in a spatial context.

How are things arranged in a space?

How does this image demonstrate the properties of **density**, **concentration**, and **pattern**?



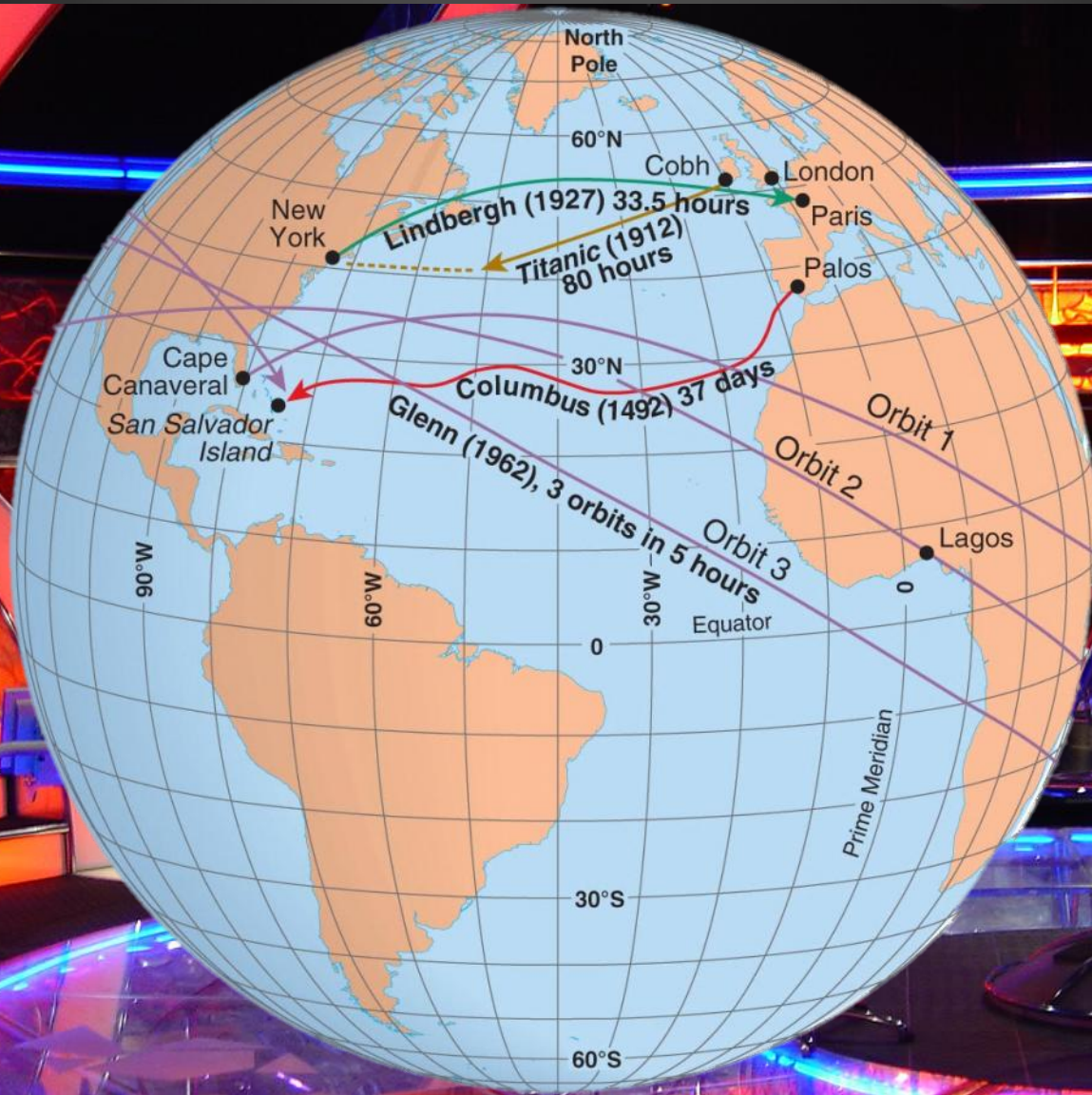
A futuristic classroom setting with a curved glass table in the foreground, illuminated with blue and orange lights. The room features tiered seating, a curved wall with a glowing orange pattern, and a blue light strip along the top. The overall atmosphere is high-tech and modern.

**Describe this classroom using the words
density, concentration, and pattern.**

Gender and Ethnic Diversity in Space

- Patterns in space vary according to gender and ethnicity
- In the U.S. you see clusters of similar types of people living in the same neighborhoods.

Connections Between Places




How has the time it takes to travel changed through the years? Why?

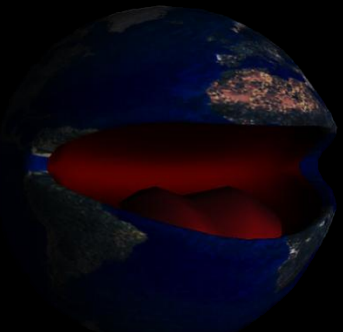
Spatial Interaction



What is distance-decay?

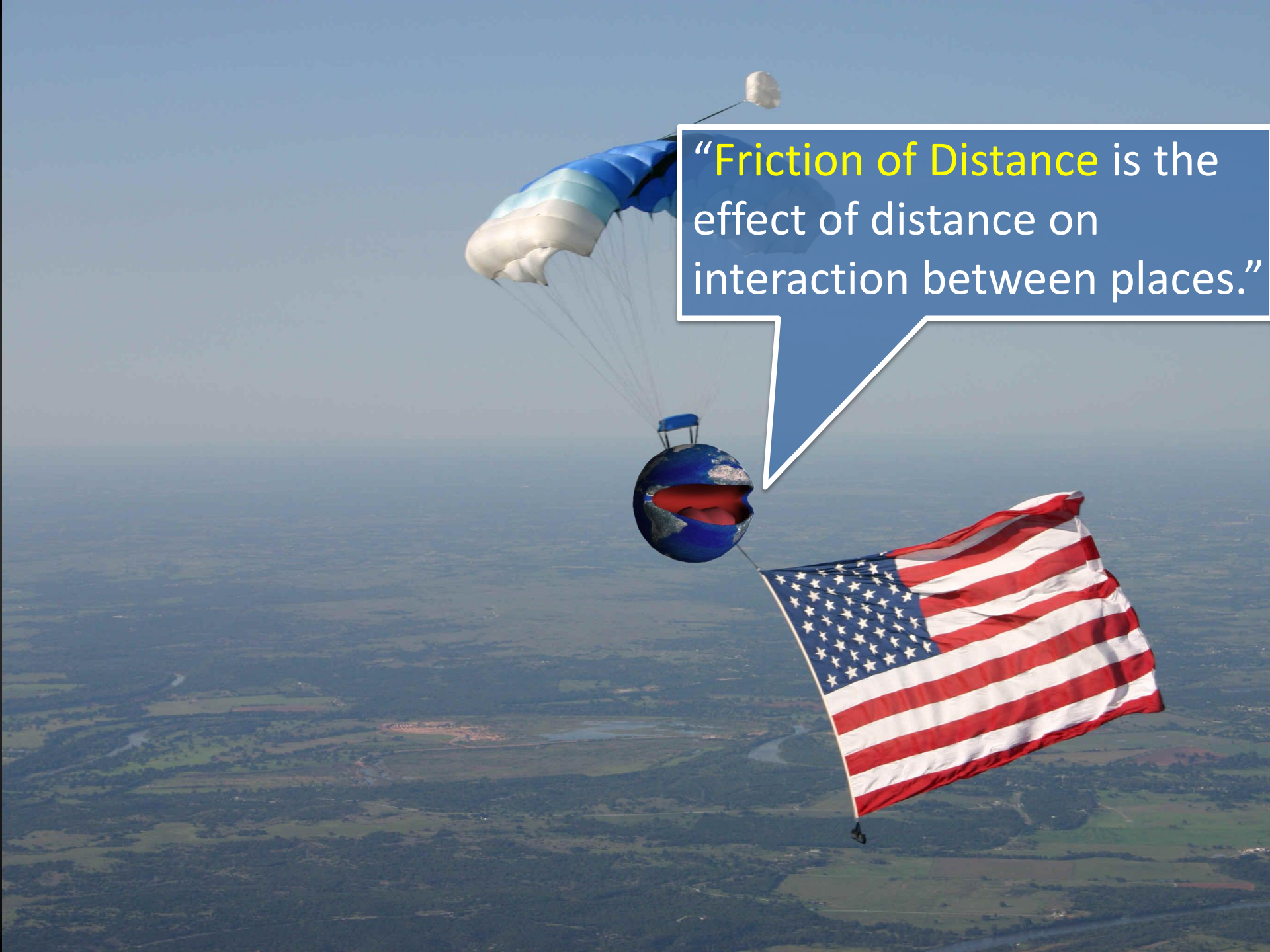


“Distance Decay is the lessening interaction between places as the friction of distance increases.”

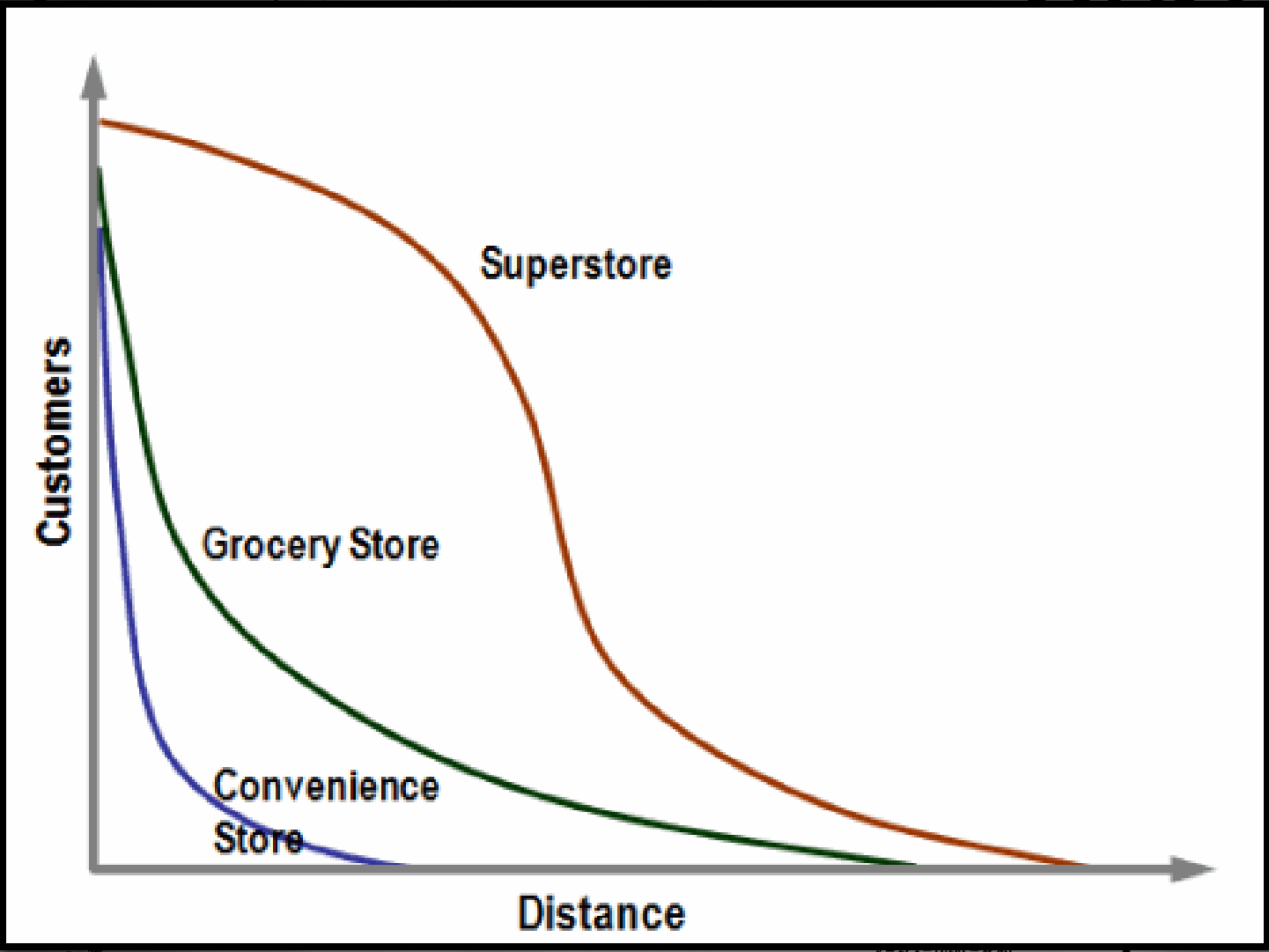


A modern high-speed train is shown in a station. The train is white with blue and red accents. The station has blue pillars and rectangular ceiling lights. A red banner with white text is overlaid on the train.

What is friction-of-distance?

A conceptual illustration of 'Friction of Distance'. A globe with a red mouth is suspended from a blue and white parachute. An American flag is attached to the bottom of the globe. The background is a vast, hazy landscape with green fields and a winding river. A blue speech bubble contains the text: "Friction of Distance is the effect of distance on interaction between places."

“Friction of Distance is the effect of distance on interaction between places.”

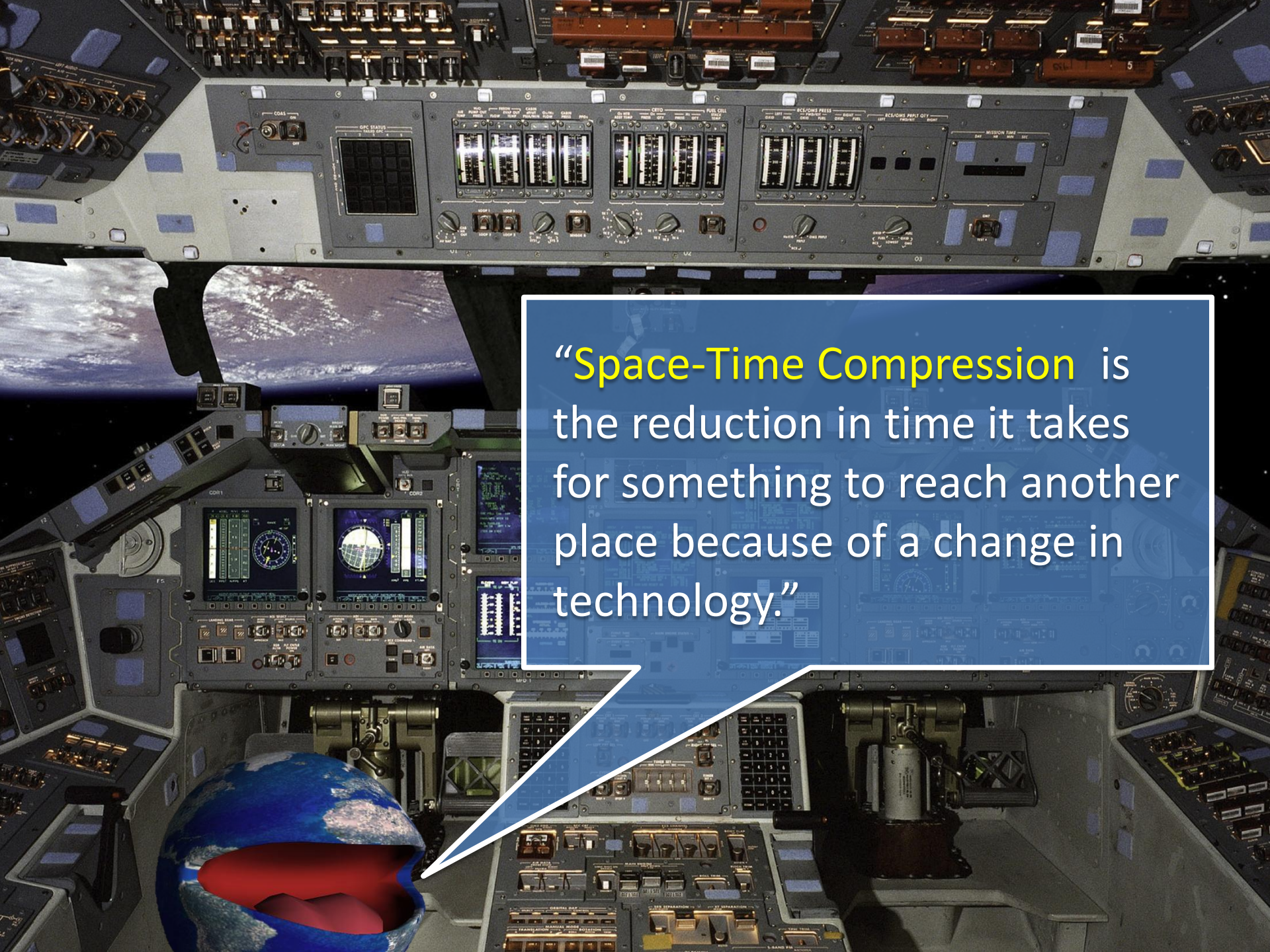


Distance-Decay Models for Stores

A world map rendered in a network or data visualization style. The continents are outlined and filled with a complex web of white and light blue lines, representing connections or data points. The background is a dark blue gradient with faint, larger-scale network patterns.

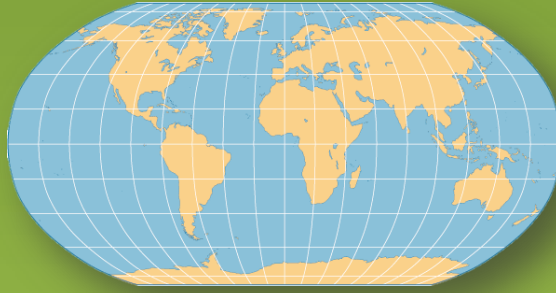
What is space-time compression?

facebook

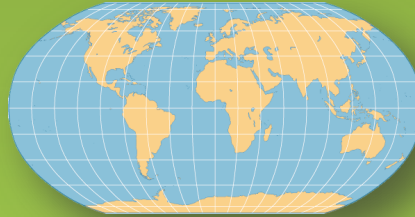


“Space-Time Compression is the reduction in time it takes for something to reach another place because of a change in technology.”

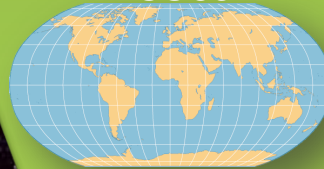
1500-1840



1850-1930



1950s



1960s



1980s



A photograph capturing a moment of interaction in a rural setting. A man in a grey shirt is leaning over, assisting a young child on a green bicycle. The child is wearing a red shirt and is seated on the bike. To the right, a group of children are gathered, watching the interaction. In the background, there is a traditional hut with a thatched roof made of dried grass or straw. The scene is set outdoors with trees and a clear sky. A semi-transparent red banner with white text is overlaid across the middle of the image.

What determines the interaction between places?

Proximity



The **nearness** to important features.

Connectivity



Directness of **routes** linking pairs of places.

Accessibility

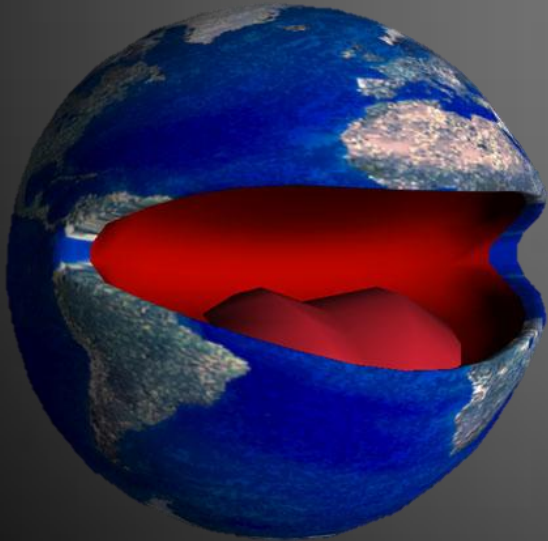


The **relative ease** with which a **destination** may be reached from **other locations**.



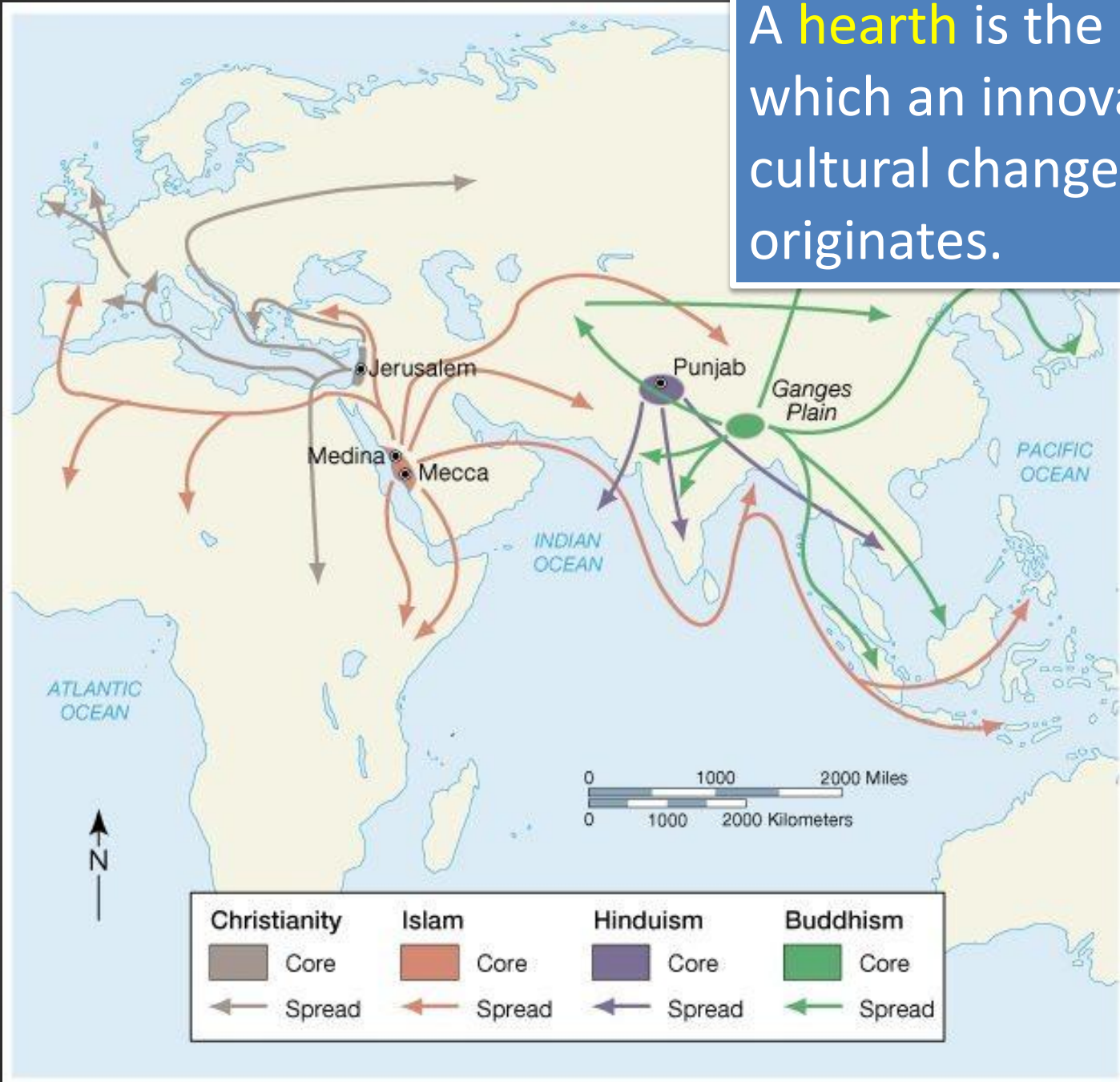
What is diffusion?

“**Diffusion** is the process by which a characteristic spreads across space from one place to another over time.”

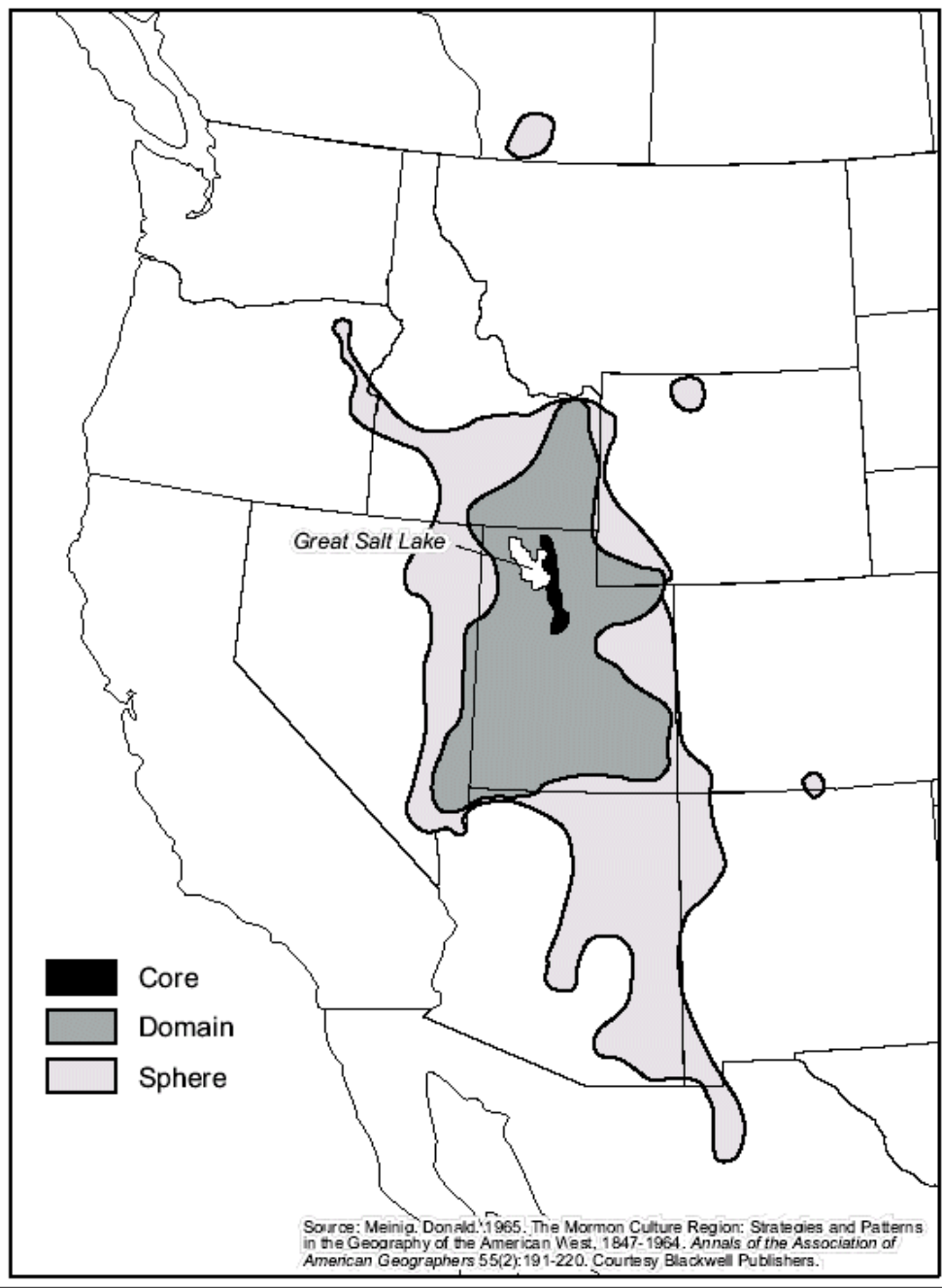


What is a Cultural Hearth?

A **hearth** is the place which an innovation or cultural change originates.



How do cultural elements diffuse?

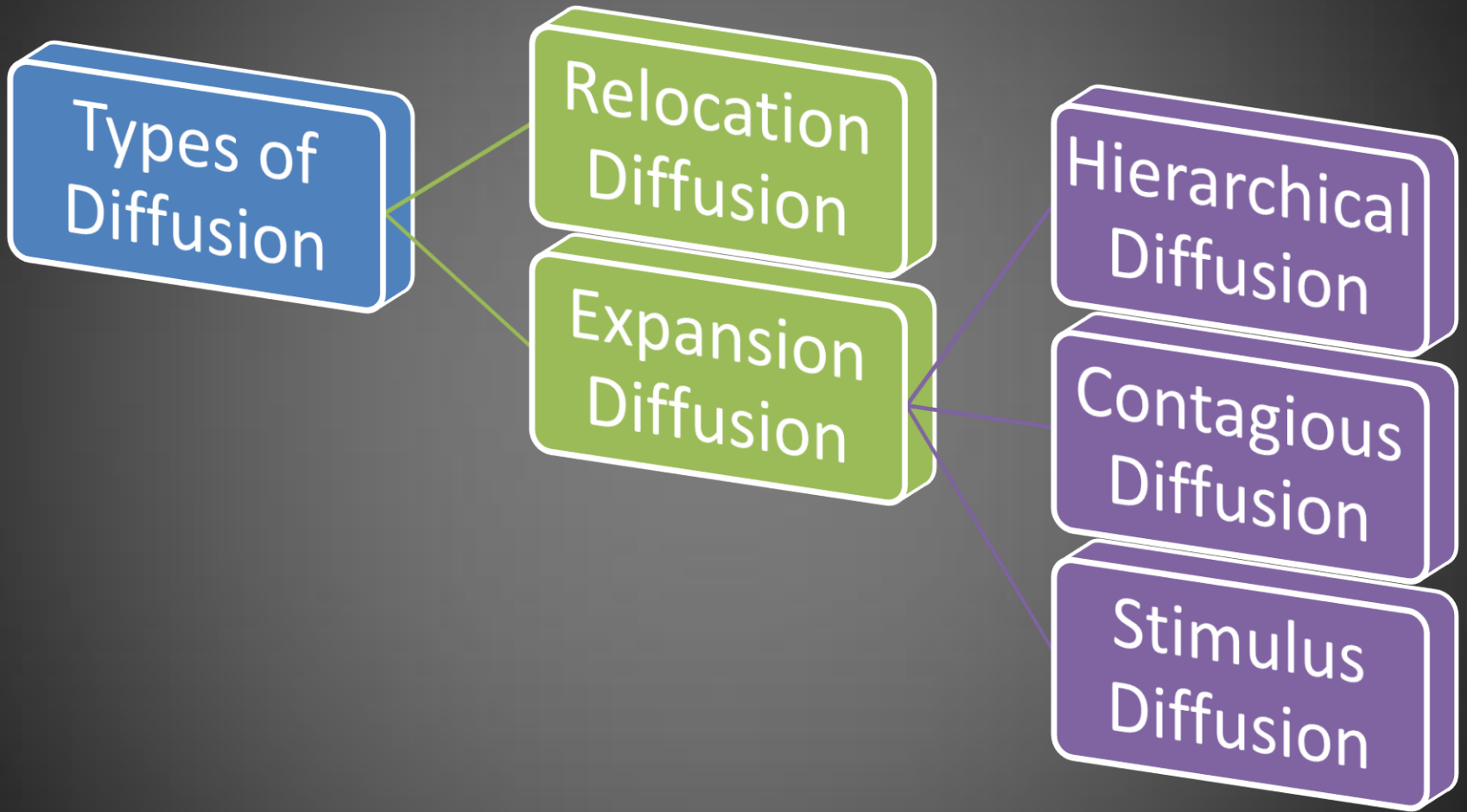


Core: The “most pure” area that possesses all cultural traits used to define a region.

Domain: The area in which the culture is dominant but less intense.

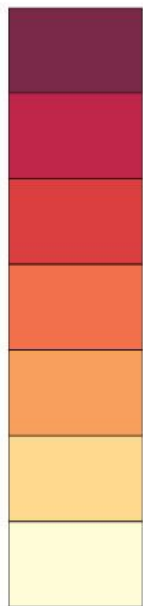
Sphere: The zone of outer influence where people with the culture traits can even be a minority in another region.

Figure 2.3. The Mormon Culture Region, showing the core, domain, and sphere of a culture region.



Relocation Diffusion: The diffusion of a characteristic as people move from place to place.

PERCENT OF
PURSES
CONTAINING
A EURO COIN



61–70

51–60

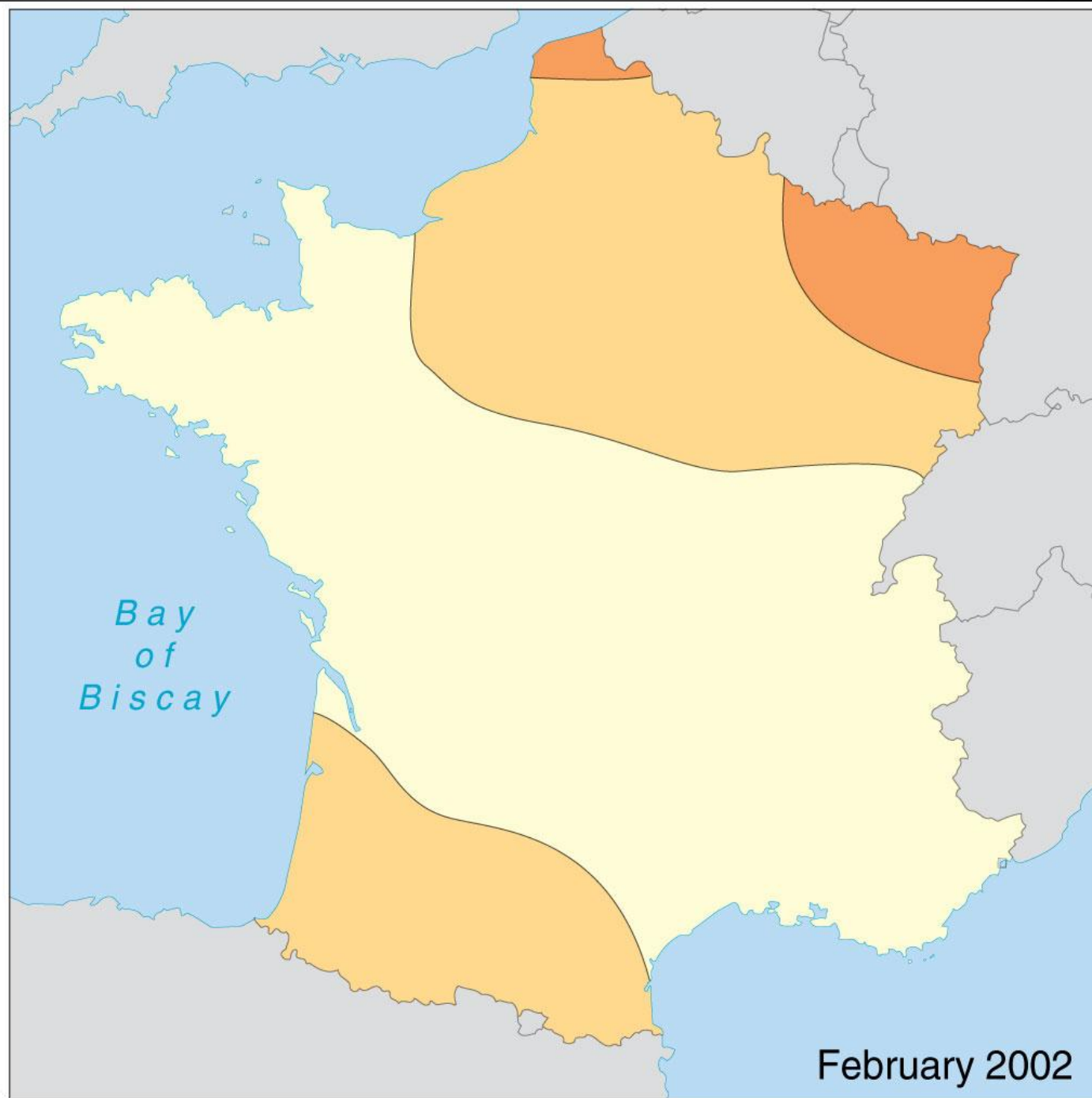
41–50

31–40

21–30

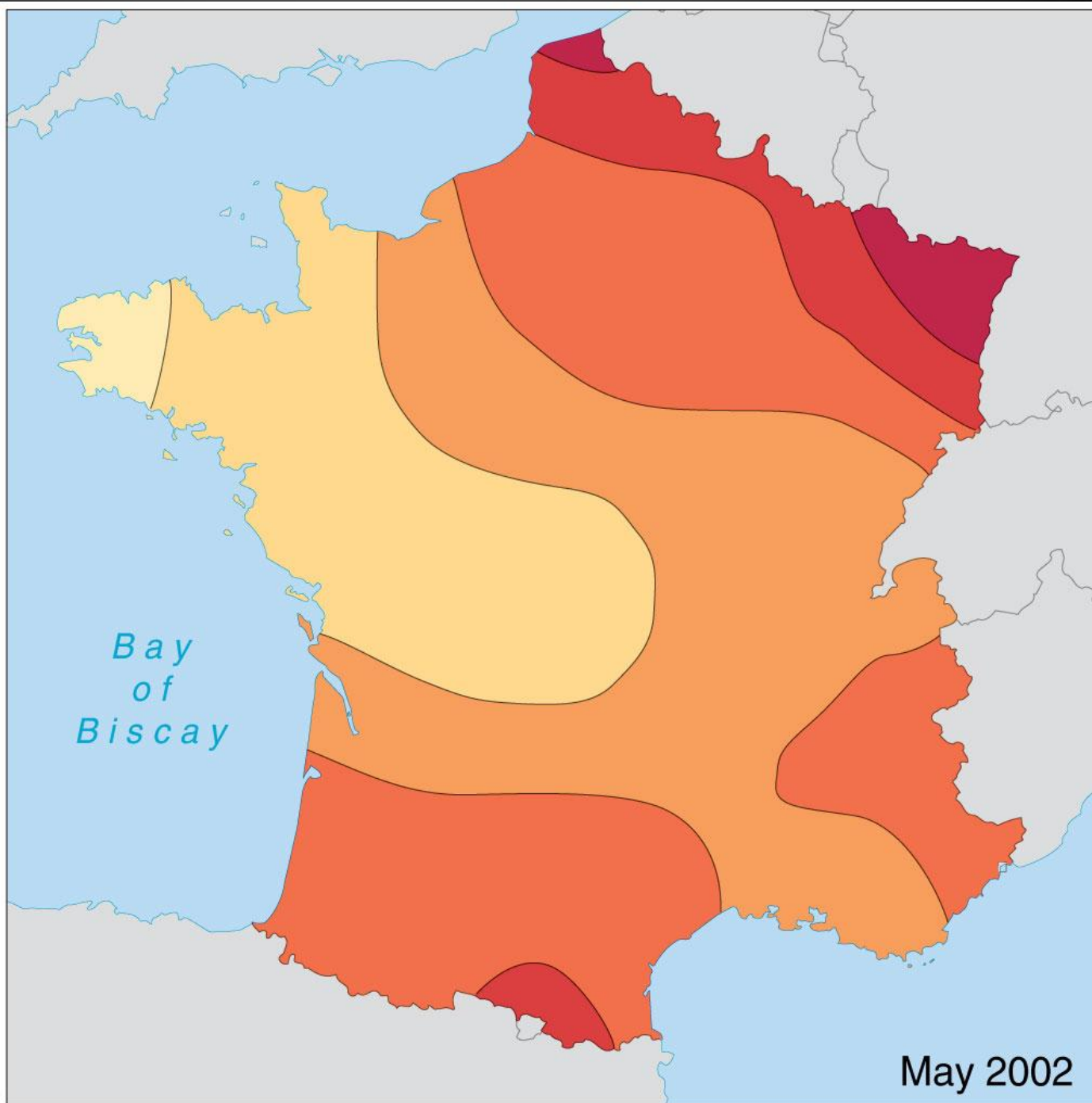
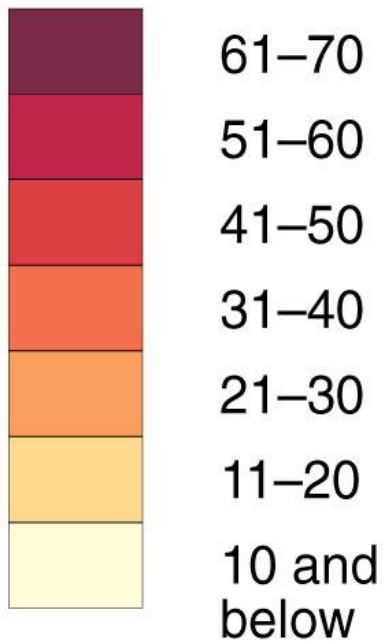
11–20

10 and
below

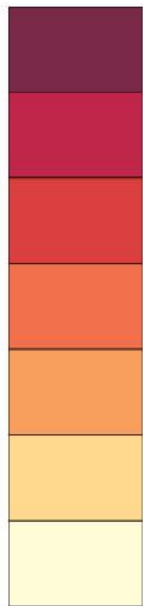


February 2002

PERCENT OF
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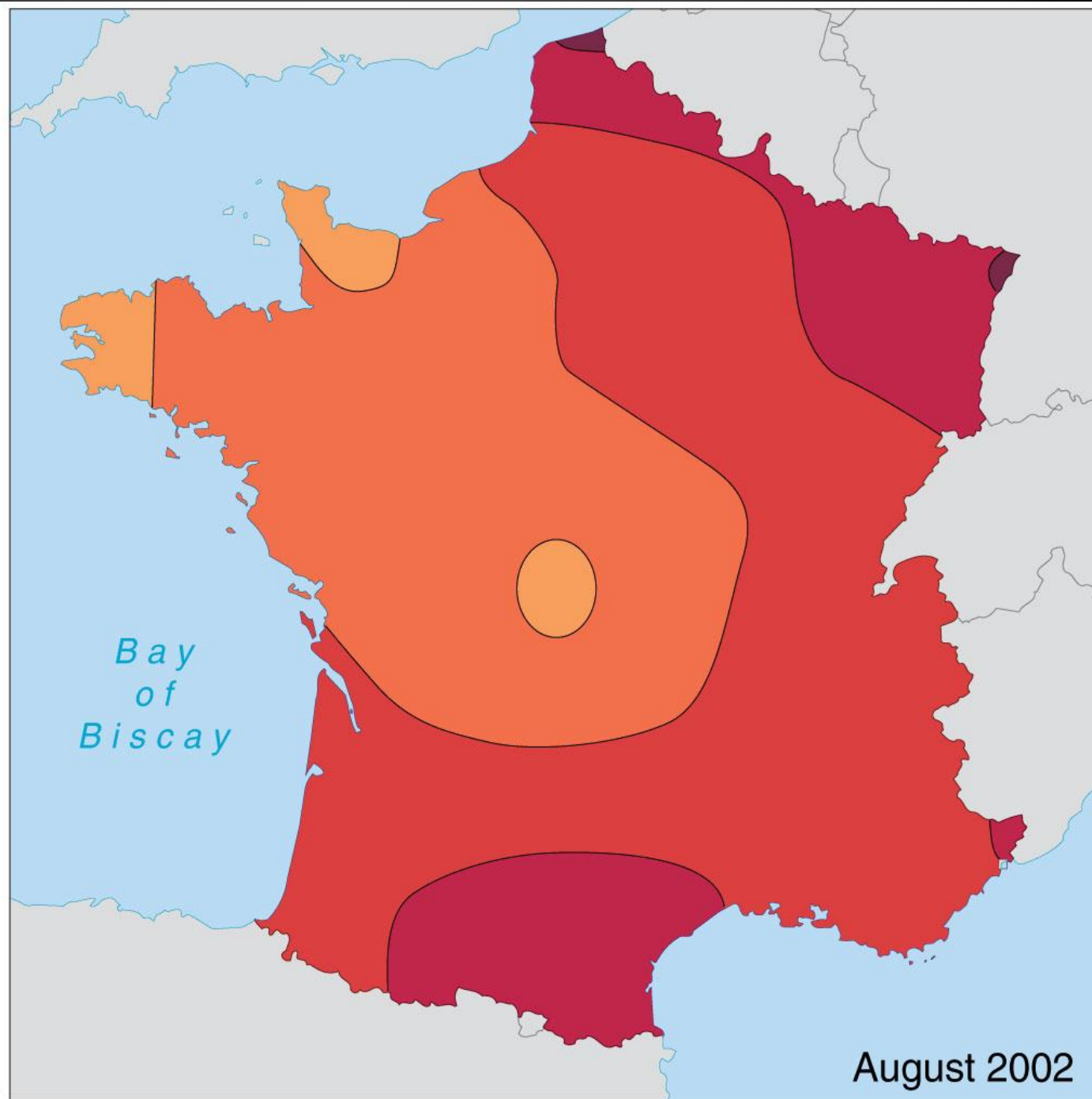
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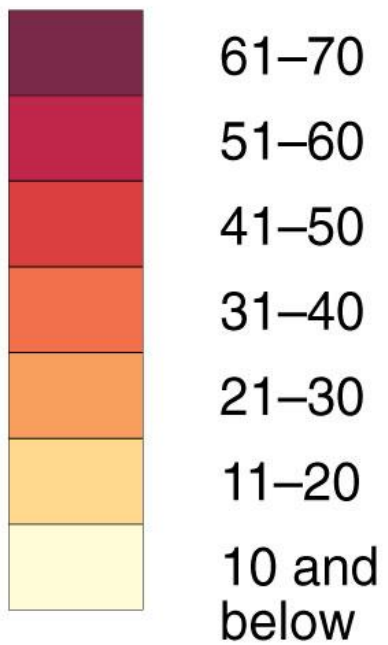
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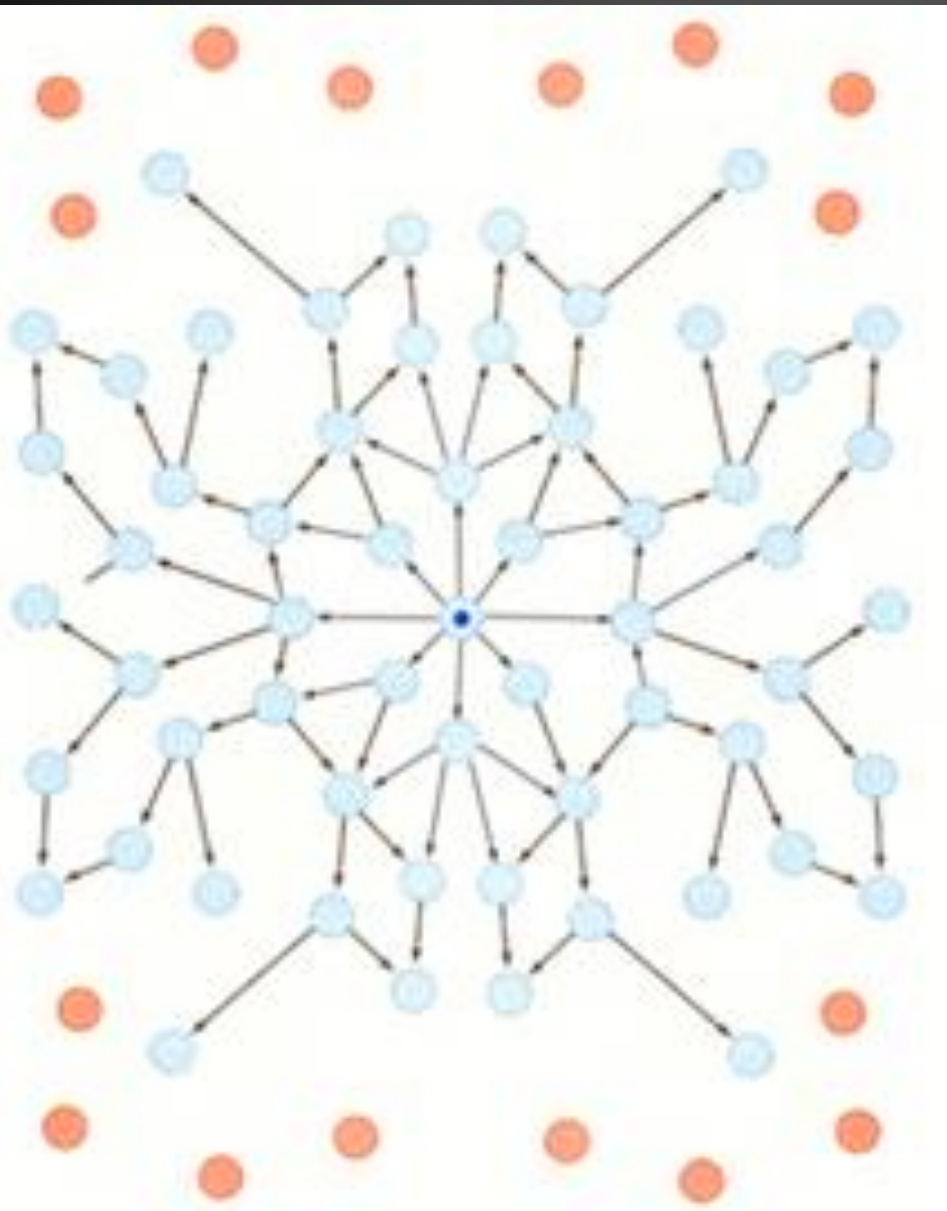
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August 2002

PERCENT OF PURSES CONTAINING A EURO COIN

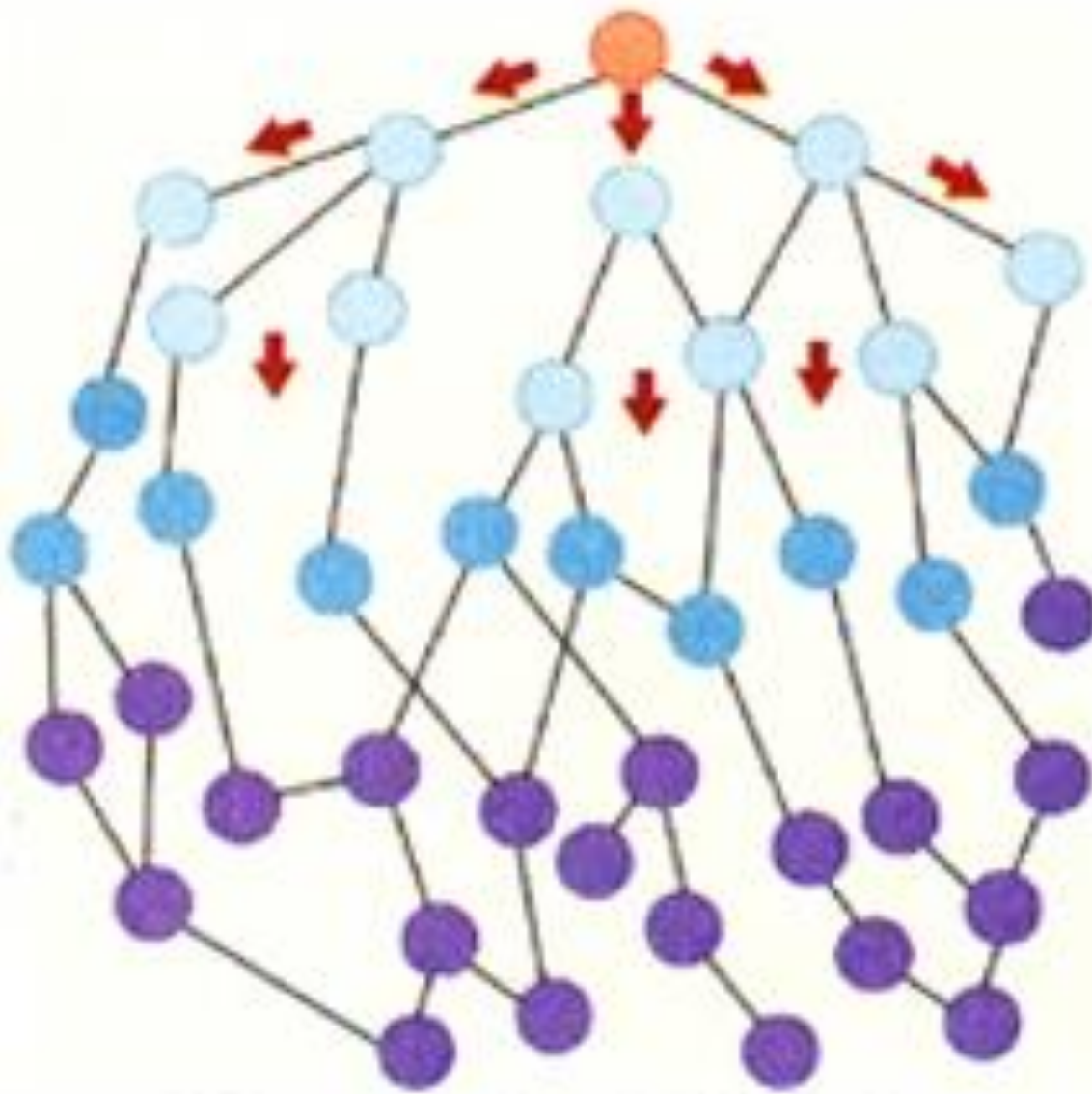




Contagious Diffusion

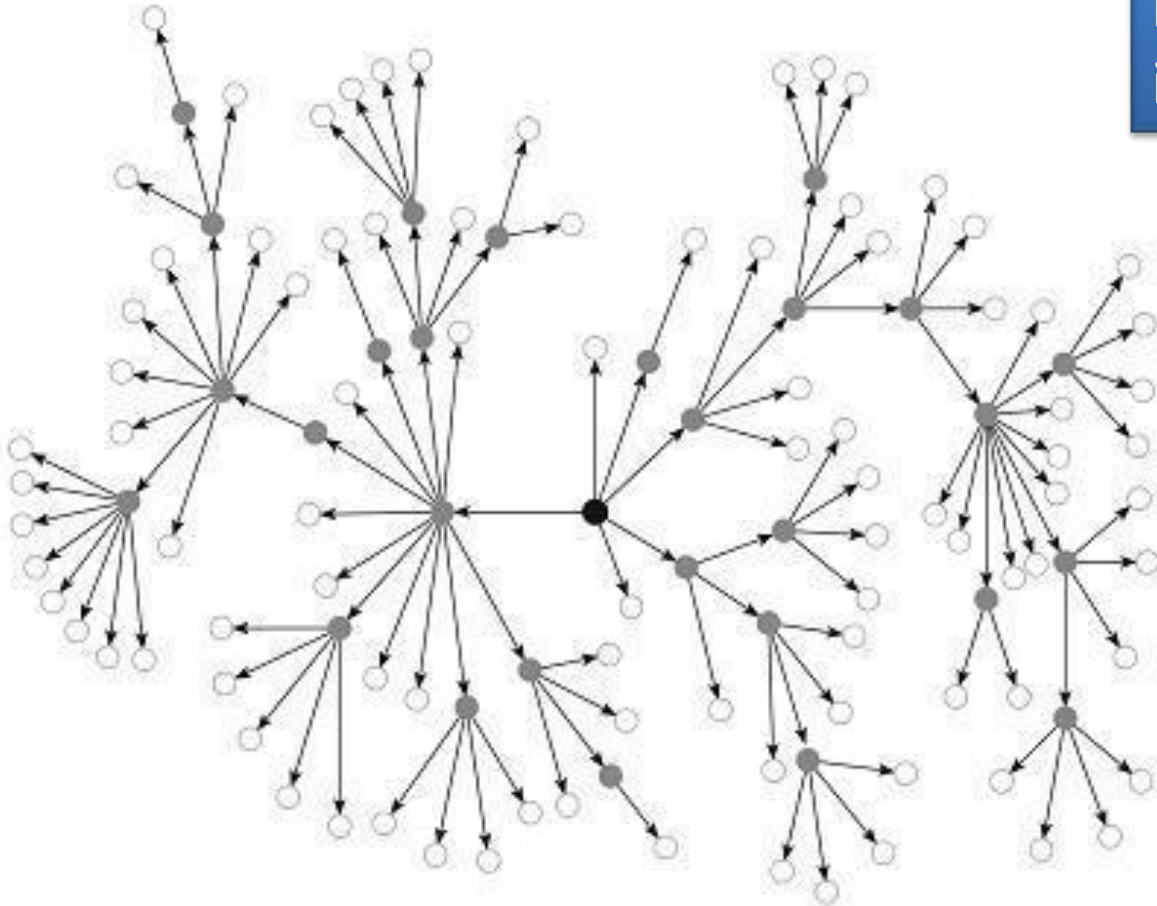
The rapid, widespread diffusion of a characteristic through the population.

The spread of an idea from persons or nodes of authority or power to other persons or places.



Hierarchical Diffusion

Stimulus Diffusion:
Spread of an idea after
reestablishing it after
initial failure.



For Your Consideration:

The next few slides will ask you to identify what type of diffusion is being discussed.

Fashion Trends from cities to surrounding areas.

- A. Contagious
- B. Hierarchical
- C. Stimulus
- D. Relocation

Christianity not being adopted by its initiating group (the Jews)

- A. Contagious
- B. Hierarchical
- C. Stimulus
- D. Relocation

When missionaries try to convert kings
first to spread their religion.

- A. Contagious
- B. Hierarchical
- C. Stimulus
- D. Relocation

The spread of Islam from Mecca from individual to individual

- A. Contagious
- B. Hierarchical
- C. Stimulus
- D. Relocation

Italians teaching Americans to make
pizza when they moved to North
America.

- A. Contagious
- B. Hierarchical
- C. Stimulus
- D. Relocation

End of Chapter 1