

Geography Foundation

31 June 24

Geographical Thought

2:30 - Lec - 12

Concept of Time in Geo -

1] Kant - removed Time

2] Physical geo - late 1800's - Influence of Davis (concept of cycle)

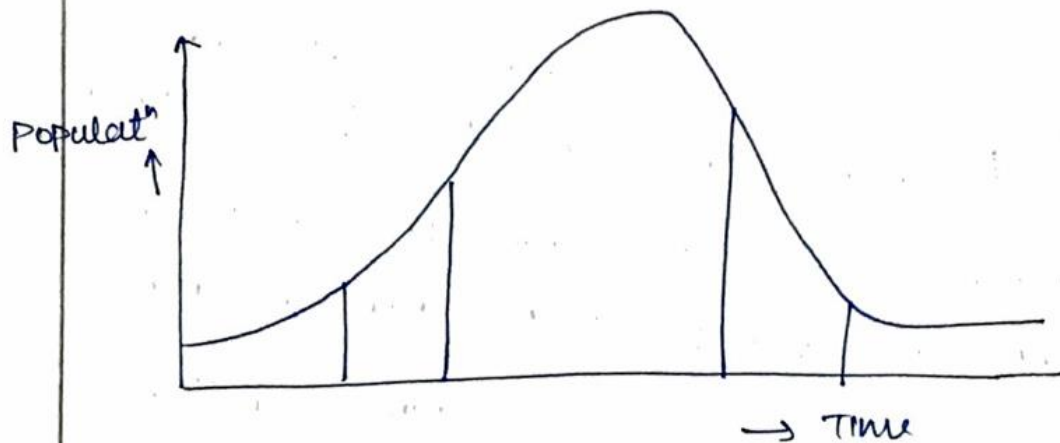
• Ratzel - Anthropogeographie II - Migration + Ideas of Carl Sauer + Cultural & Time studies

3] A.D of Hart Shorn - Kant's Chronology & removal of time (Geo becomes ahistorical)

4] Q.R - talked about statistical models (NO role of Time)

5] Works of T. Haggett - "Diffusion of Innovation concept" → a mathematical study of how ideas & innovat<sup>n</sup> spread in Time & location

o T. Haggerstrand & Everett Rogers studied how Ideas & Concepts are adopted. They depicted the process of Innovation adoption through an Adoption - Time graph



- o Haggensstrand's Model is a model in OR but it has the new element of Time based expansion & adoption of ideas
- o His Model developed during later phase of Behavioural revolution where he was trying to incorporate elements of Humanistic Geo.



o Haggensstrand's diffusion of innovation is based on 3 processes -

- [a] Contagious / expansion effect (because of neighbourhood)
- [b] Stimulus effect (because of some mentors)
- [c] Hierarchy effect (ideas are spread by people who have authority)
- [d] Relocation effect (because of physical migration)

all these depend on Location & Time.

o Haggertstrand also gave the concept of Time-space Geo. (Space & Time both are resources) & inspired by Humanistic Geo.

o Time space Geo. - While OR rejected the idea of time & focused on developing static models, Humanistic approach under influence of Geography established significance of time.

o scholars like Haggertstrand who had mathematical & quantitative tools influenced



by later Behavioural models that includes time based studies.

o Haggertstrand ∴ tried to converge both- Time & space together as variables in geographical studies. This was the Time space geo that views both Time & space as variables & resources in determining any geographical phenomenon. ∴ Time-space

geo was part of Historical geo.  
(Time as resource, Time as constraint & Time as coupling factor)  
... factors | resources



(Time as ...)

Time as coupling factor)

↳ allows for factors/resources to converge at the best time for execution

6] Time in Humanistic Geo. (Happens based on using)

- Influenced by Geography - perceptions, cultures, ideas in human mind. ⇒ This was based on Time & history
- Geo is now Historical Geo (Reject<sup>n</sup> of Kant's exceptionalism)