space travel
Transportation & Geography:
Commerce
Demographics
Politics
Velocity
Borders
Migration
“Overcoming space requires expenditure of energy and resources, something that nature and humans try to minimize.”
“Desire arises only at a distance from objects.”
LOCOMOTION / TRAINS
LOCOMOTION / TRAINS

RATES OF TRAVEL, 1930
(BY RAILROADS)

3 days
2 days
1 day
LOCOMOTION / TRAINS

Facts & Figures:
- 1804 – first working steam locomotive
- 1830 – 98 miles of railway in U.K.
- 1860 – 10,433 miles of railway in U.K.
- 1869 transcontinental railroad completed in U.S.
- Trains travel year-round, unlike water-based shipping.
- Safer than water-based shipping.
Movement of goods / commodities
Vs.
Movement of people
Movement of goods / commodities / $$
Movement of people
LOCOMOTION / TRAINS

LAND

VS.

SEA
LOCOMOTION / TRAINS

STL vs. CHI
LOCOMOTION / PLANES

NY to LA: 5hrs
NY to London: 7hrs
NY to Tokyo: 13hrs
NY to Mumbai: 16hrs
NY to Sydney: 20hrs
Moving Labor
- People as commodities
- Hopping borders
- Transnational lifestyles
- Temporary migration
- Security / Deregulation
Moving Labor

“3% of world population lives outside its country of birth”
LOCOMOTION / PLANES

refugees

PUSH | PULL

workers
refugees
PUSH | PULL
workers

LOCOMOTION / PLANES
Spatial (ir)regularities

<table>
<thead>
<tr>
<th></th>
<th>a) positive spatial correlation</th>
<th>b) negative spatial correlation</th>
<th>c) zero spatial correlation</th>
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Autocorrelation
Spatial (ir)regularities

Are nearer things more related than further things?

Autocorrelation
Are nearer things more related than further things?

You’re more likely to have more in common with the person next to you than someone 10 miles away.
Spatial (ir)regularities

Are nearer things more related than further things?

New York / London vs. New York / Scranton, PA

Autocorrelation
Spatial (ir)regularities

Is “nearness” only a spatial concern?

Autocorrelation
Spatial (ir)regularities

Is “nearness” only a spatial concern?

Communication is Transportation?

Autocorrelation
Spatial (ir)regularities

Whose distance are we using?
Euclid’s?
Cartesian?
Poincare’s?

Autocorrelation
Spatial (ir)regularities

Whose distance are we using?

Autocorrelation
Spatial (ir)regularities

Whose distance are we using?
Is distance linear?
Is distance a surface?
Is distance topographical?

Autocorrelation
Spatial (ir)regularities

Whose distance are we using?

Autocorrelation
Spatial (ir)regularities

Whose distance are we using?

Autocorrelation
Spatial (ir)regularities

Whose distance are we using?

“Death of distance”

Electronic & Virtual Space?

Not yet!

Autocorrelation
Whose distance are we using?

Simple local interactions can result in complex, chaotic unpredictable outcomes.

Autocorrelation
Spatial (ir)regularites

Whose distance are we using?

Autocorrelation
Spatial (ir)regularites

Whose distance are we using?

Geosocial interactions are not determinate.

Autocorrelation
Spatial (ir)regularities

Whose distance are we using?
Every location is unique

No universal laws

Autocorrelation