

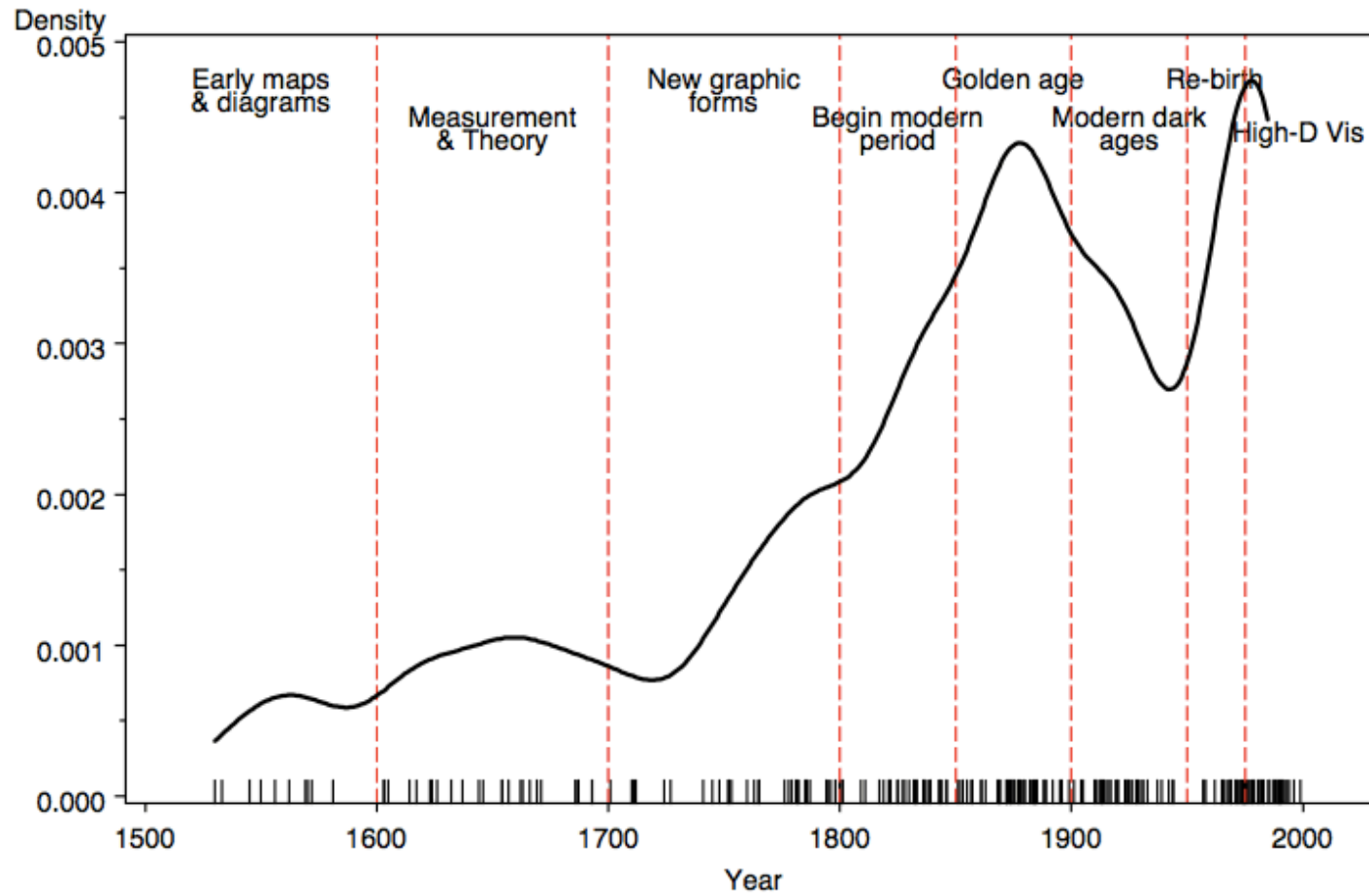


HISTORY OF DATA VISUALIZATION

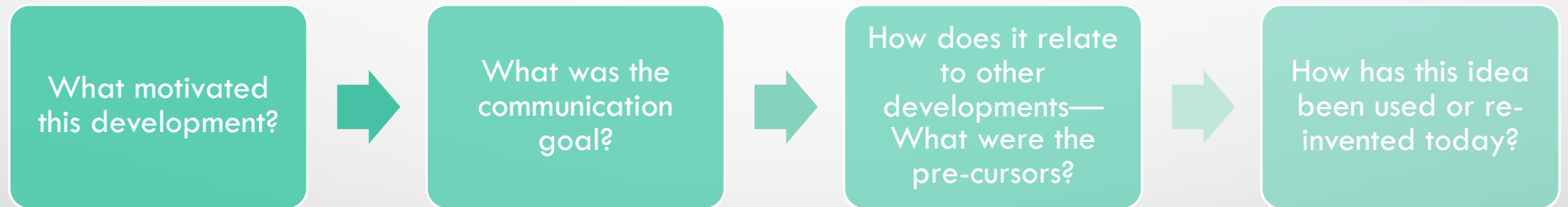
DISCUSSION

K.B. ZAIDI

Milestones: Time course of developments



SOME QUESTIONS TO ASK YOURSELF...





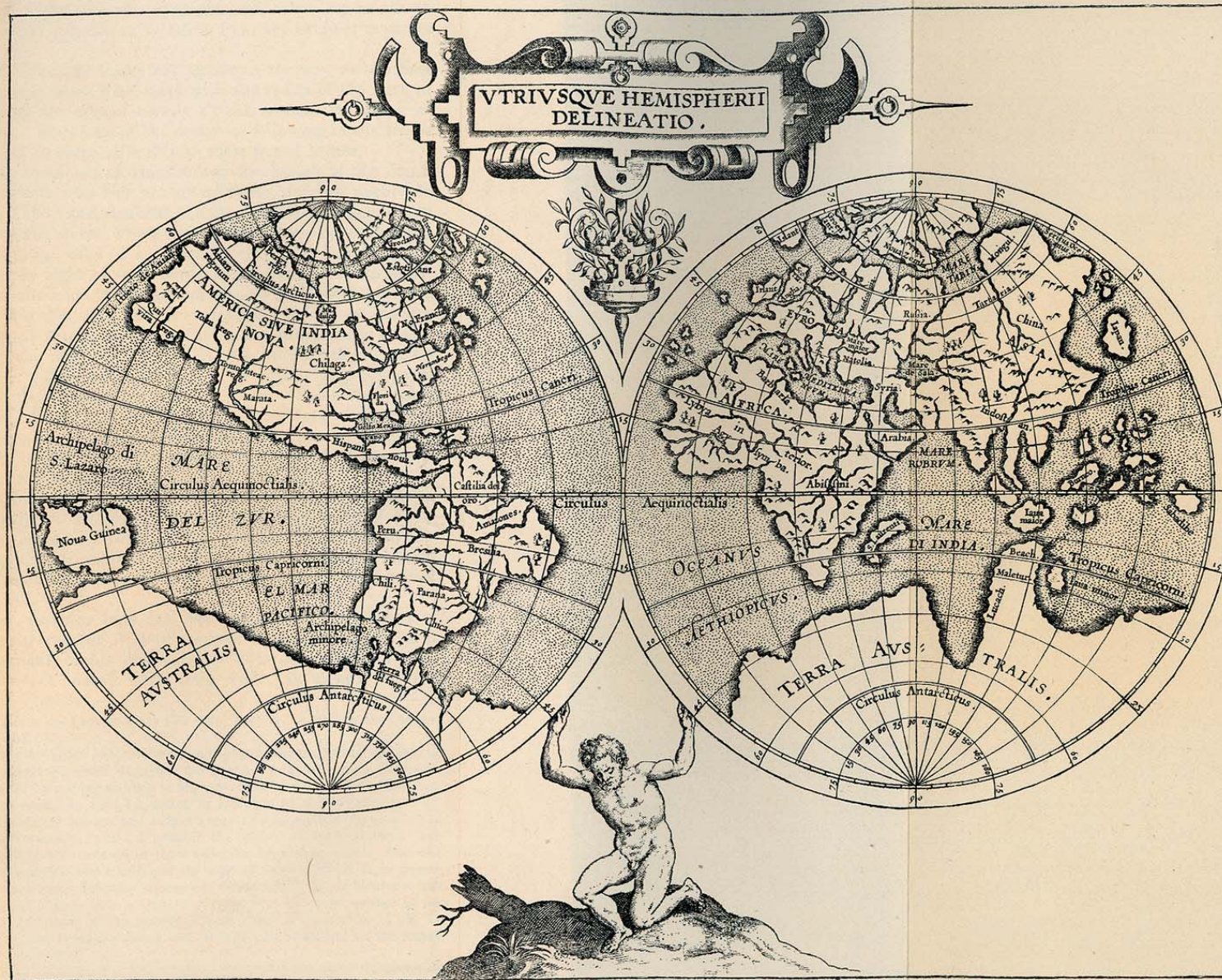
MAP OF INDIA 1583
by Linschoten

What motivated
this
development?

What was the
communication
goal?

Whytflies 1598

What are some features here that we would not see today?



WYTLIET'S MAP OF THE WORLD, 1598

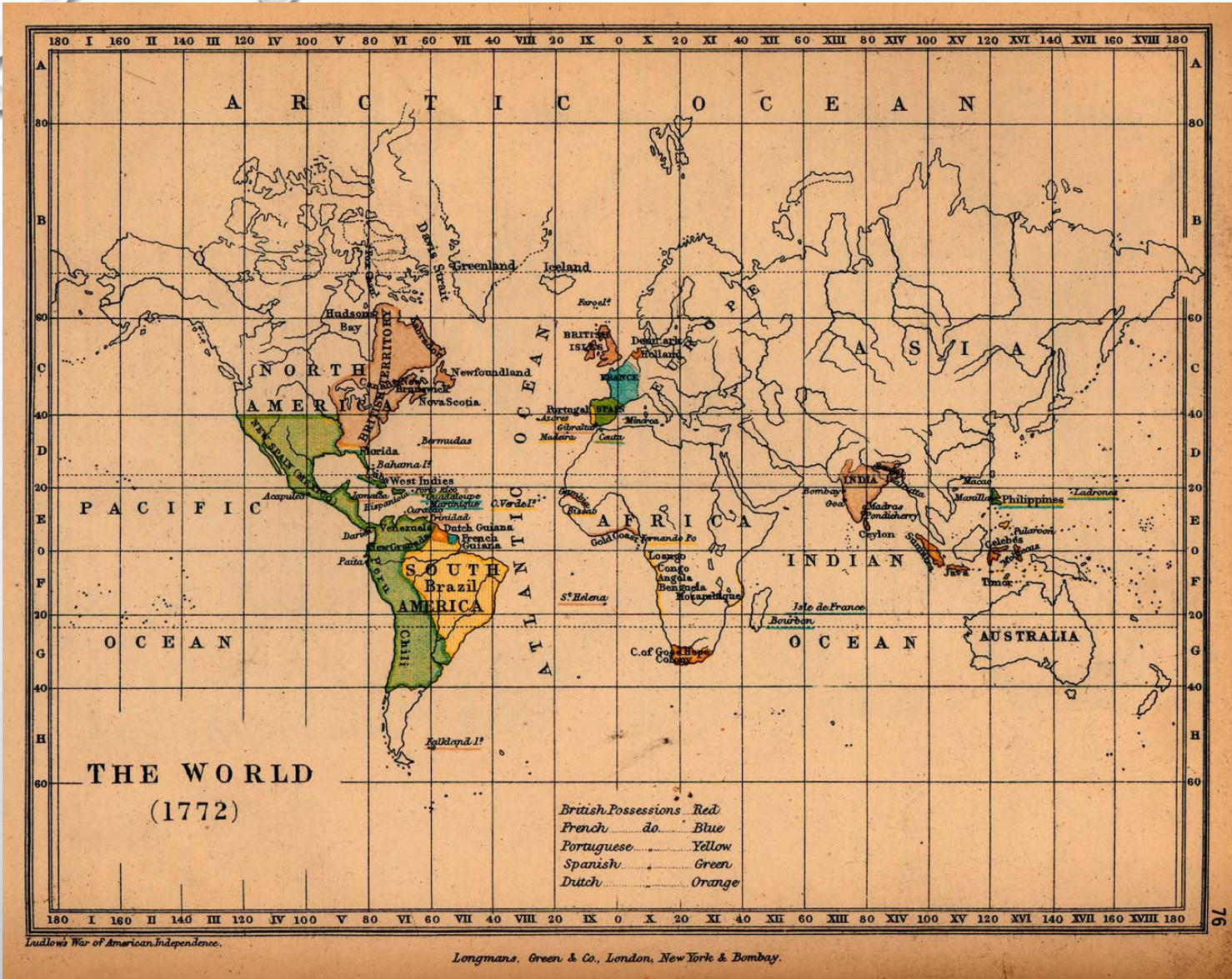
AROUND 1600S

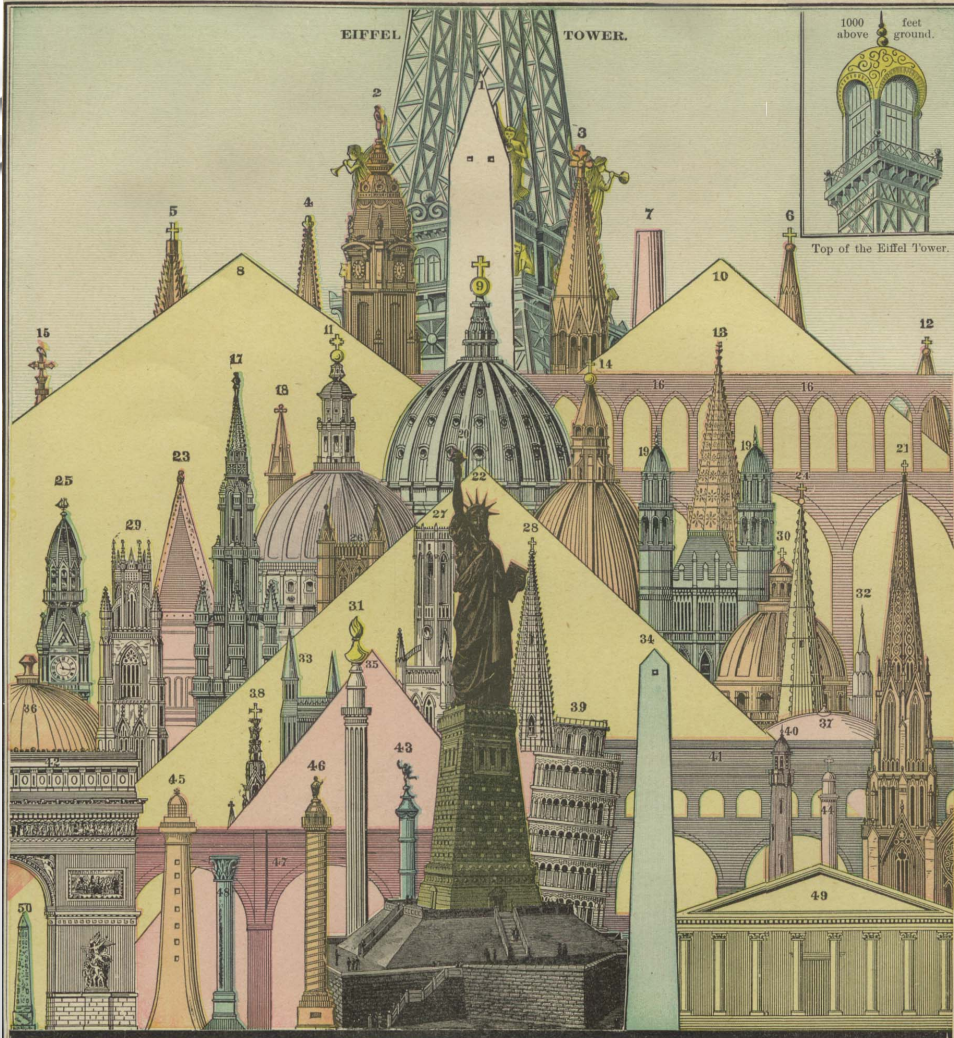
- SAW GREAT NEW GROWTH IN THEORY FOR PRACTICAL APPLICATION
- RISE OF ANALYTIC GEOMETRY AND COORDINATE SYSTEMS
- THE BEGINNINGS OF DEMOGRAPHIC STATISTICS
- THE STUDY OF POPULATION, LAND, TAXES, VALUE OF GOODS

EARLY POPULATION DENSITY MAP 1772

How does this image relate to other developments at this time?

What were the pre-cursors?





NOTABLE HIGH BUILDINGS OF THE WORLD.

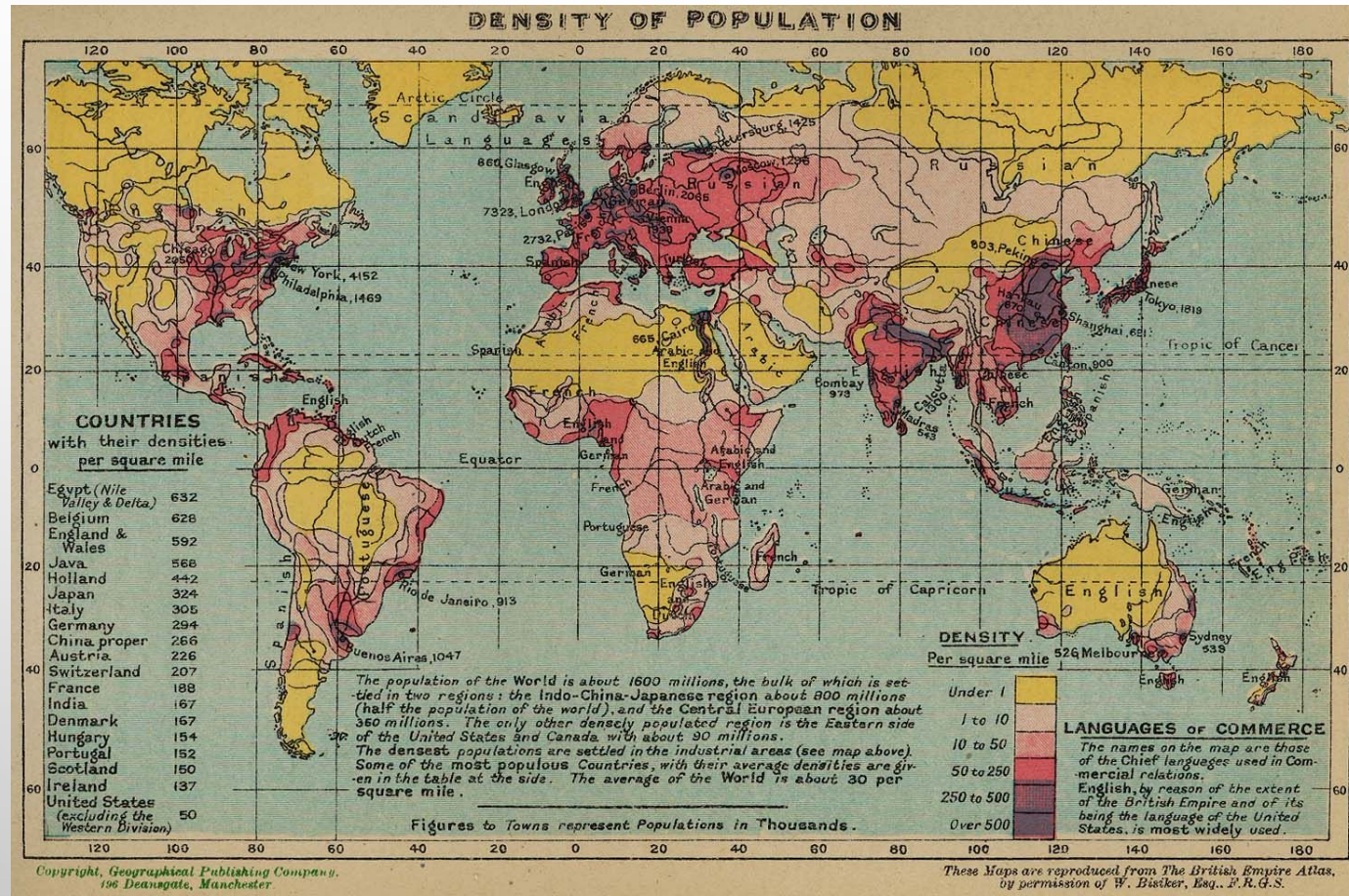
FEET HIGH	FEET HIGH	FEET HIGH
1. Eiffel Tower, Paris, France..... 1000	17. Hotel de Ville, Brussels, Belgium..... 364	34. Bunker Hill Monument, Boston..... 221
2. Washington Monument..... 555	18. Cathedral at Milan, Italy..... 360	35. Pyramid of Mycerinus..... 218
3. City Hall, Philadelphia..... 535	19. Victoria Tower, Westminster, London..... 340	36. Rankot Jagoba, Pollanarua, Ceylon..... 200
4. Cathedral of Cologne, Germany..... 511	20. Bartholdi Statue, New York..... 329	37. Mosque of St. Sophia, Constantinople..... 182
5. Cathedral of St. Stephen, Vienna..... 470	21. St. Patrick's Cathedral, New York..... 328	38. Albert Memorial, London..... 180
6. Cathedral at Strasburg..... 468	22. Dasher's Pyramid, Egypt..... 326	39. Leaning Tower of Pisa..... 179
7. St. Martin's Church, Landshut, Germany..... 463	23. St. Mark's Church, Venice, Italy..... 325	40. Tower of Chicago Water Works..... 175
8. Chimney at Glasgow, Scotland..... 460	24. Norwich Cathedral, England..... 315	41. Pont du Gard, Nimes, France..... 170
9. Pyramid of Cheops (Great Pyramid), Egypt..... 450	25. Board of Trade, Chicago..... 305	42. Arc de Triomphe, Paris..... 162
10. St. Peter's Cathedral, Rome..... 448	26. Lincoln Cathedral, England..... 300	43. Column of July, Paris..... 154
11. King Shafra's Pyramid, Egypt..... 447	27. Belfry Tower, Bruges, Belgium..... 290	44. Alexandria Column, St. Petersburg..... 154
12. St. Paul's Cathedral, London..... 404	28. Trinity Church, New York..... 284	45. Skerryvore Lighthouse, Scotland..... 138
13. Torizzo Tower, Cremona, Italy..... 396	29. St. Botolph's Church, Boston, England..... 282	46. Trajan's Column, Rome (exclusive of figure)..... 127
14. Florence Cathedral, Italy..... 387	30. Pantheon, Paris..... 258	47. High Bridge, New York..... 116
15. Cathedral at Fribourg, Switzerland..... 386	31. Monument, London..... 240	48. Pompey's Pillar, Alexandria..... 100
16. Amiens Cathedral..... 383	32. Cathedral at Canterbury, England..... 235	49. Girard College, Philadelphia..... 97
17. Aqueduct delle Torre, Spoleto, Italy..... 380	33. Masonic Temple, Philadelphia, Pa..... 230	50. Cleopatra's Needle, New York..... 68

The Most Notable Buildings in the World

End of 19th century

What are some features that stand out about this graph?

DENSITY OF POPULATION 1918



How has this idea been used or re-invented today?

TODAY'S DISPLAY OF WORLD POPULATION

- [HTTPS://WORLDPOPULATIONHISTORY.ORG/MAP/2050/MERCATOR/1/0/25/](https://worldpopulationhistory.org/map/2050/mercator/1/0/25/)