

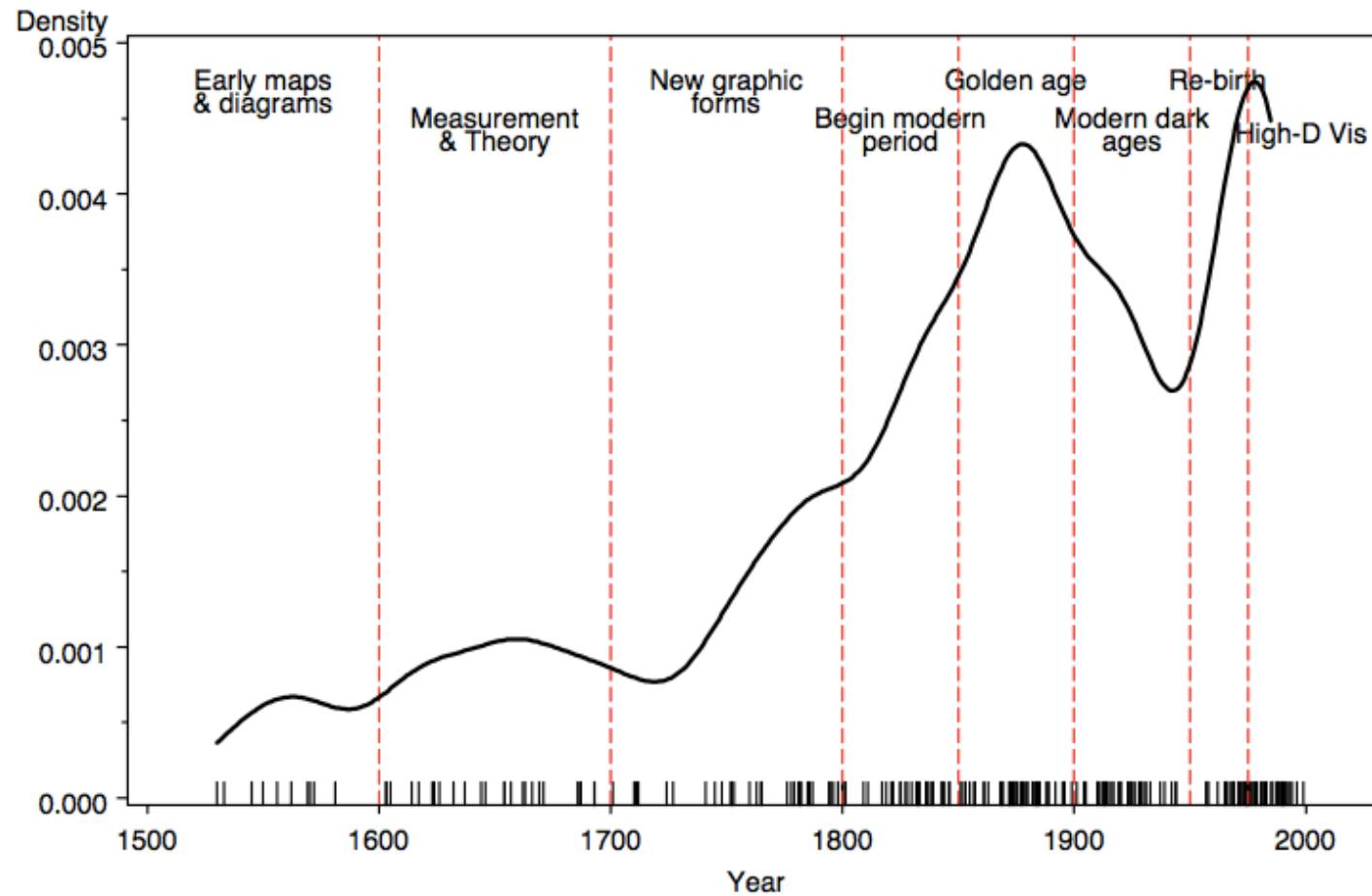
HISTORY OF DATA VISUALIZATION

DISCUSSION

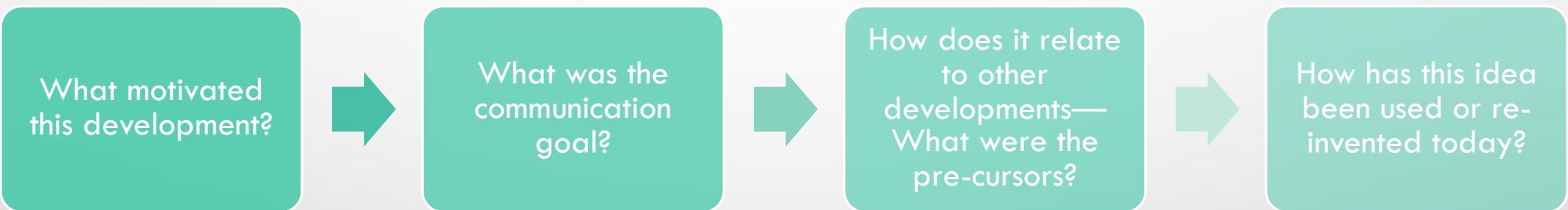
K.B. ZAIDI



Milestones: Time course of developments



SOME QUESTIONS TO ASK YOURSELF...





MAP OF INDIA 1583

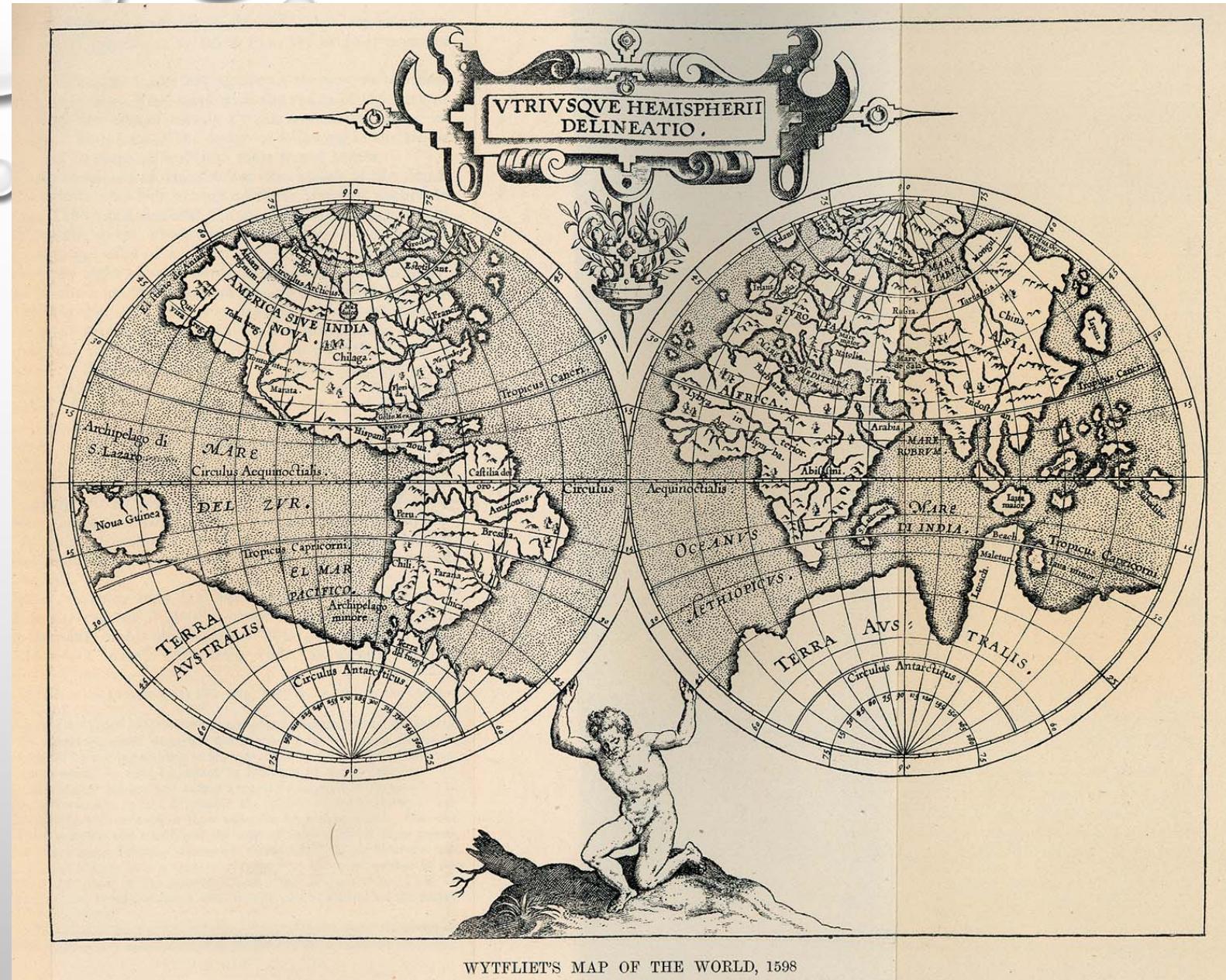
by Linschoten

What motivated this development?

What was the communication goal?

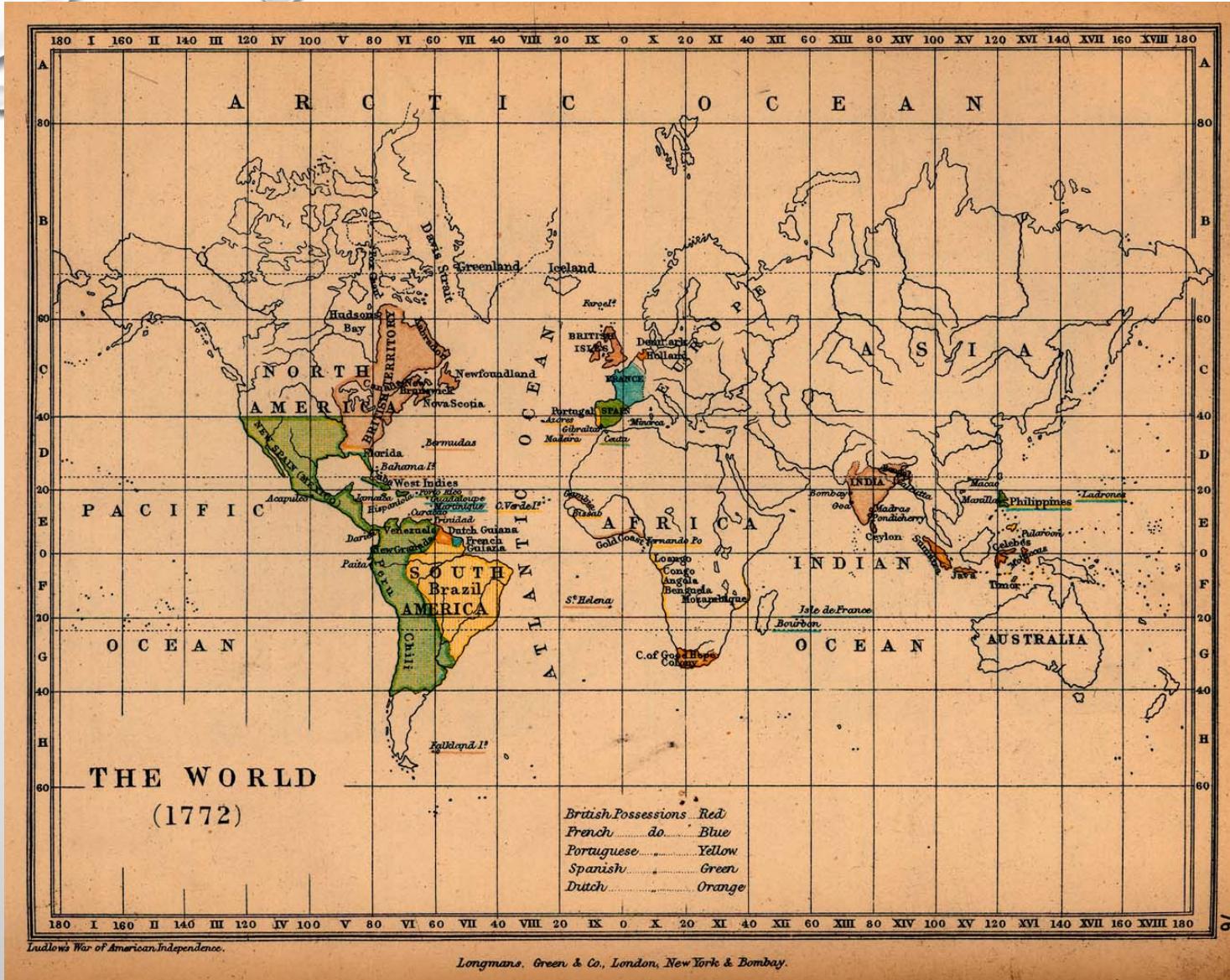
Whyflies 1598

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



AROUND 1600S

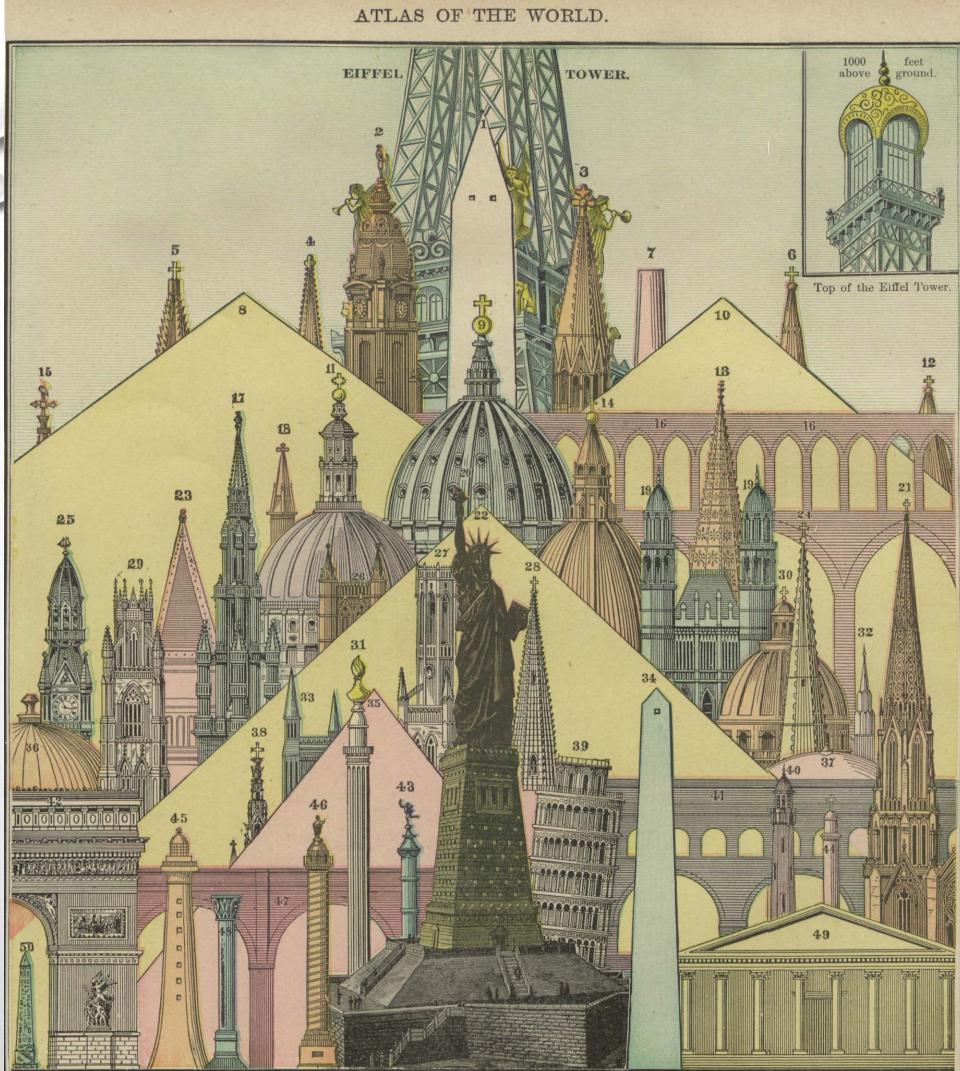
- SAW GREAT NEW GROWTH IN THEORY FOR PRACTICAL APPLICATION
- RISE OF ANALYTIC GEOMETRY AND COORDINATE SYSTEMS
- THE BEGINNINGS OF DEMOGRAPHIC STATISTICS
- THE STUDY OF POPULATION, LAND, TAXES, VALUE OF GOODS



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.

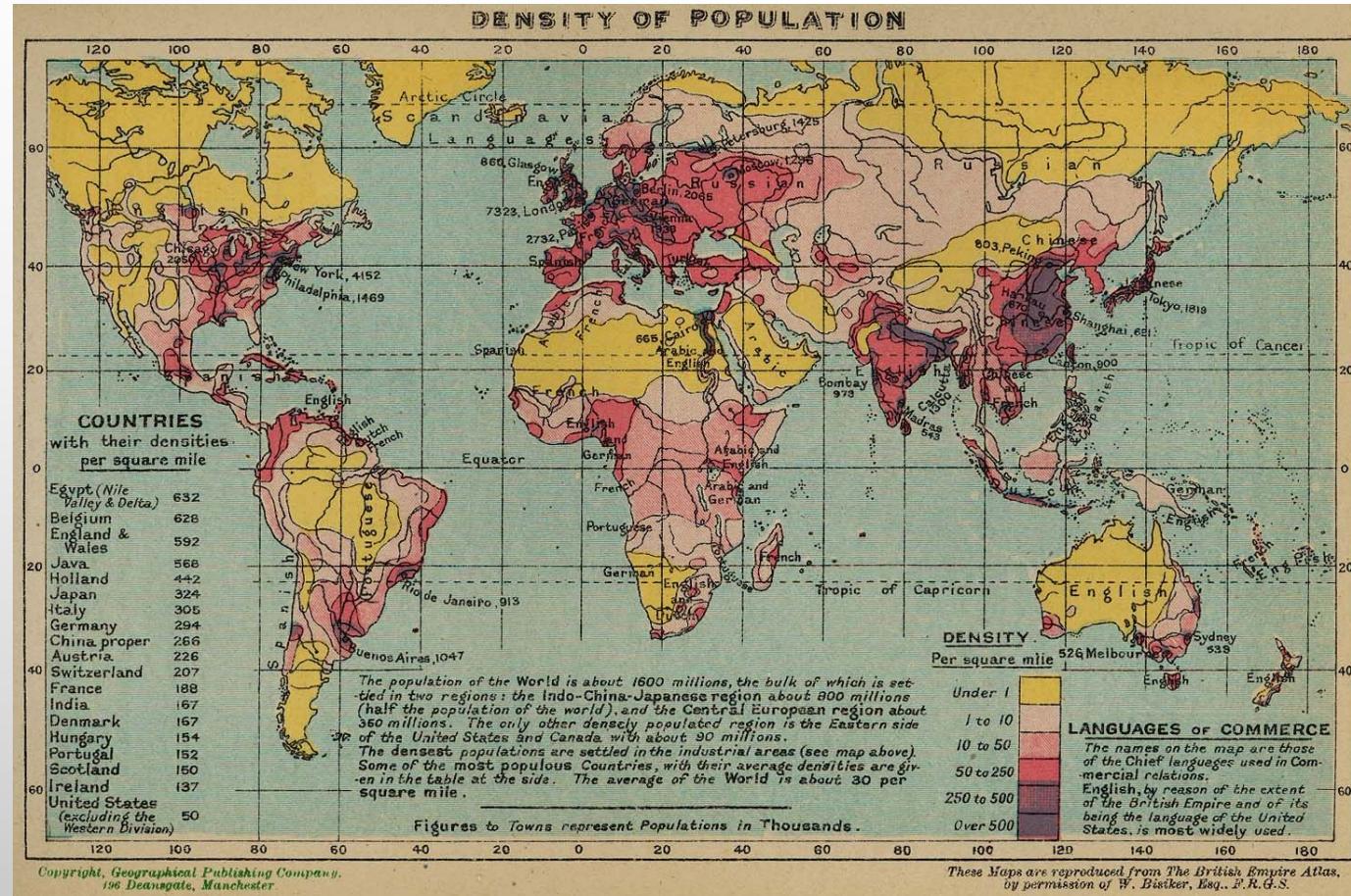
NAME	FEET HIGH	NAME	FEET HIGH	NAME	FEET HIGH
EIFFEL TOWER.....	1000	17. Hotel de Ville, Brussels, Belgium.....	364	34. Bunker Hill Monument, Boston.....	221
1. Washington Monument.....	555	18. Cathedral at Milan, Italy.....	369	35. Pyramid of Mycerinus.....	218
2. City Hall, Philadelphia.....	535	19. Victoria Tower, Westminster, London.....	340	36. Rankot dagoba, Polonnaruwa, Ceylon.....	200
3. Cathedral of Cologne, Germany.....	511	20. Bartholdi Statue, New York.....	329	37. Mosque of St. Sophia, Constantinople.....	183
4. Cathedral of St. Stephen, Vienna.....	470	21. St. Patrick's Cathedral, New York.....	325	38. Albert Memorial, London.....	183
5. Admiralty, London.....	468	22. Nasoor Pyramids, Egypt.....	324	39. Monument of the Republic, Paris.....	179
6. St. Martin's Church, Lanchester, Germany.....	463	23. St. Peter's Cathedral, Alexandria.....	323	40. Tower of Chicago Water Works.....	175
7. Chimney at Glasgow, Scotland.....	460	24. Norwich Cathedral, England.....	315	41. Pont du Gard, Nimes, France.....	170
8. Pyramid of Cheops (Great Pyramid), Egypt.....	450	25. Board of Trade, Chicago.....	303	42. Arc de Triomphe, Paris.....	162
9. Pantheon's Column, Rome.....	400	26. Lincoln Cathedral, England.....	300	43. Column of July, Paris.....	158
10. Kih Shien Pyramid, Egypt.....	447 ¹	27. Belfry of Ghent, Belgium.....	301	44. Rock of Gibraltar, British Possessions.....	154
11. St. Paul's Cathedral, London.....	431	28. Trinity Church, New York.....	284	45. Skerryvore Lighthouse, Scotland.....	138
12. Torrazzo Tower, Cremona, Italy.....	396	29. St. Botolph's Church, Boston, England.....	282	46. Trajan's Column, Rome (exclusive of Figure). 127 ¹	
13. Flore once Cathedral, Italy.....	387	30. Pantheon, Paris.....	255	47. High Bridge, New York.....	116
14. Cathedral of Fribourg, Switzerland.....	386	31. Monument, London.....	240	48. Pompey's Pillar, Alexandria.....	100
15. Amiens Cathedral.....	383	32. Cathedral at Canterbury, England.....	235	49. Girard College, Philadelphia.....	97
16. Aqueduct delle Torre, Spoleto, Italy.....	380	33. Masonic Temple, Philadelphia, Pa.....	230	50. Cleopatra's Needle, New York.....	65

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/)