

Influenza



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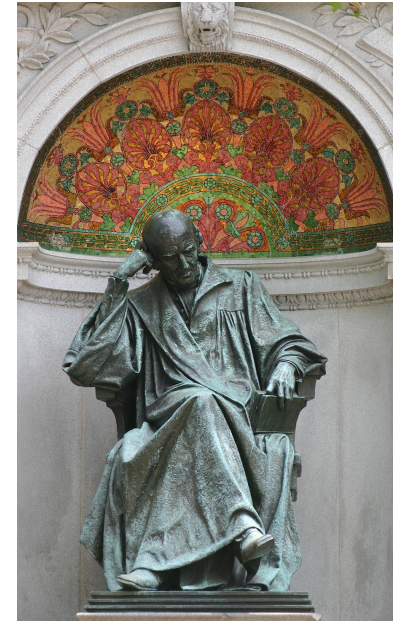
§72

...

The diseases of humanity are in part acute, and in part chronic.

Acute diseases are rapid illness-processes of the abnormally mistuned life principle which are suited to complete their course more or less quickly, but always in a moderate time.

Chronic diseases are those which (each in its own way) dynamically mistune the living organism with small, often unnoticed beginnings. They gradually so remove it from the healthy state [i.e., they gradually remove it from the healthy state in such a way and to such an extent] that the automatic life energy (called the life force, life principle) which was ordained to sustain health, opposes them. It does so, both in the beginning and in their continuance, with only imperfect, inexpedient, useless resistance. The life force, which cannot extinguish these diseases by its own power, in and of itself, must allow them to proliferate and it must allow its tuning to be more and more abnormally altered up to the final destruction of the organism. ...



2

§73

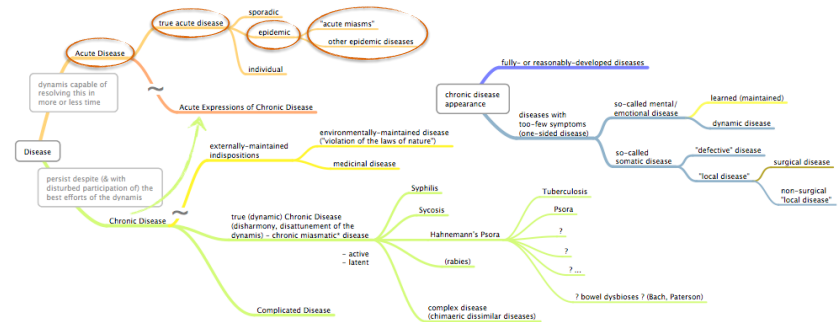
...

Bordering sporadic diseases are those acute diseases that seize many persons with very similar complaints from a similar cause (epidemically). These diseases tend to become contagious when they spread over thickly congregated masses of people. Then fevers arise. Each epidemic disease has a fever with its own nature. Since every case of disease in a given epidemic has the same origin, the disease puts all those who have fallen ill into the same kind of disease process. When left to itself, this disease process ends either in death or recovery in a moderate period of time. Epidemic diseases are not-infrequently occasioned and engendered by the calamities of war, floods and famine.

Some acute epidemic diseases are particular acute miasms that recur in the same manner and are therefore known by a traditional name. They either befall a person only once in a lifetime (such as smallpox, measles, whooping cough, mumps, or the old, smooth, bright red scarlet fever of Sydenham, etc.) or they are diseases that recur often in a rather similar way (such as the leventine plague, coastal yellow fever, Asiatic cholera, etc.).

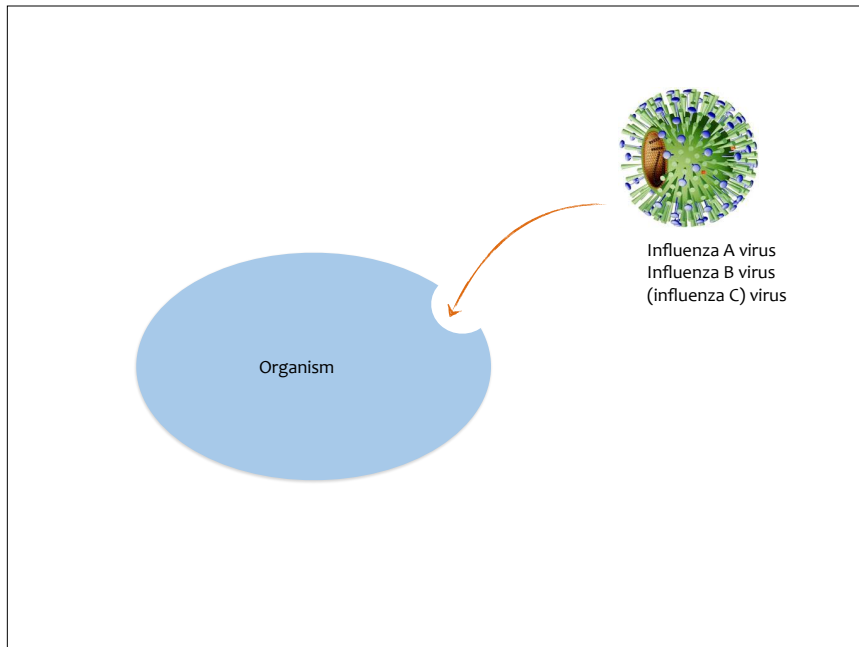


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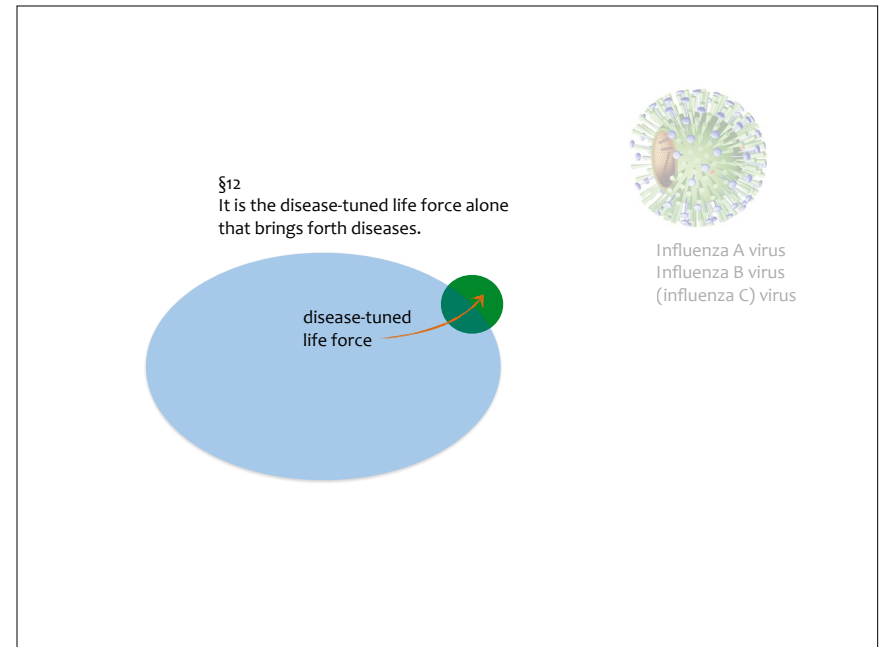


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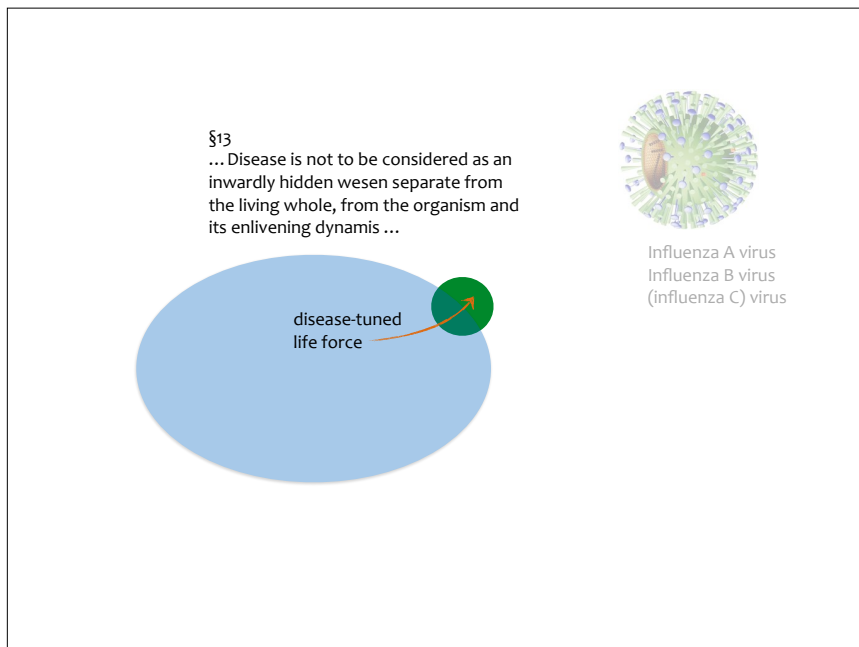
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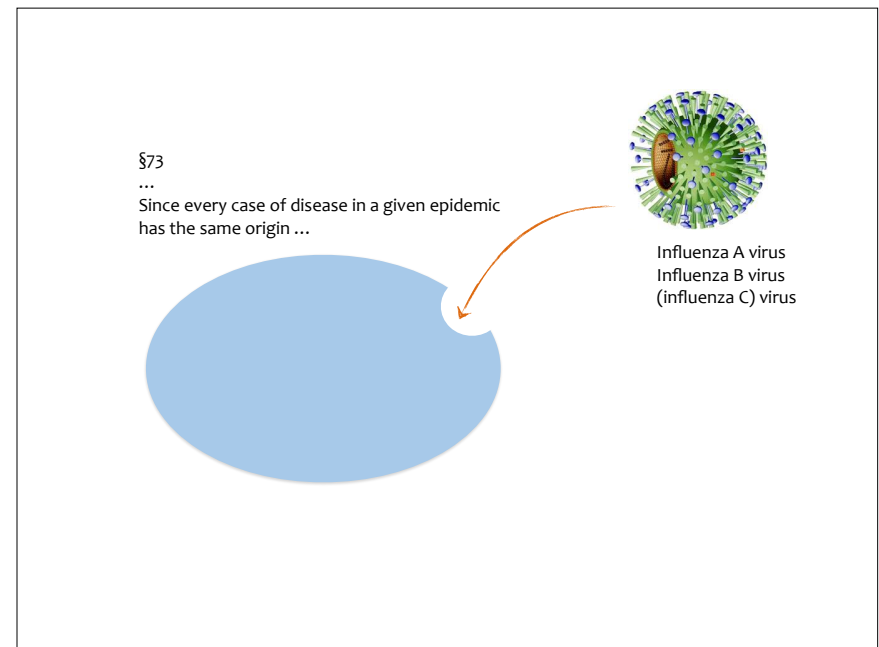
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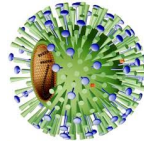
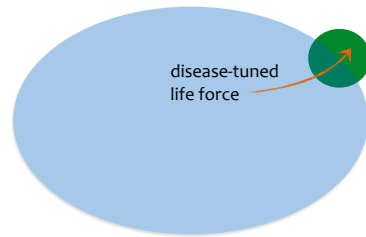
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8

§73

... the disease puts all those who have fallen ill into the same kind of disease process.



Influenza A virus
Influenza B virus
(influenza C) virus

9

§100

In the investigation of the symptom complex of epidemic or sporadic diseases, it makes no difference if something similar has ever appeared before under the same or any other name.

The novelty or peculiarity of such a contagion makes no difference, either in its examination or its cure, since the physician presupposes that the pure image of each and every presently reigning disease is new and unknown. He must explore it for himself from the ground up ...

This is all the more the case here since each reigning epidemic is in many regards a phenomenon of a particular kind that is found, by exact investigation, to deviate greatly from all former epidemics (which have been falsely labeled with certain names).

10

§100

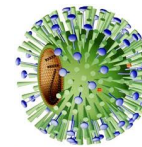
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This is all the more the case here since each reigning epidemic is in many regards a phenomenon of a particular kind that is found, by exact investigation, to deviate greatly from all former epidemics (which have been falsely labeled with certain names).

This is true of all contagious diseases except those that stem from an invariable infectious tinder, such as smallpox, measles, etc.

11



Influenza A virus

all extant Influenza A viral strains are derived from the
1918 pandemic strain
H1N1*

RNA-virus, Orthomyxoviridae

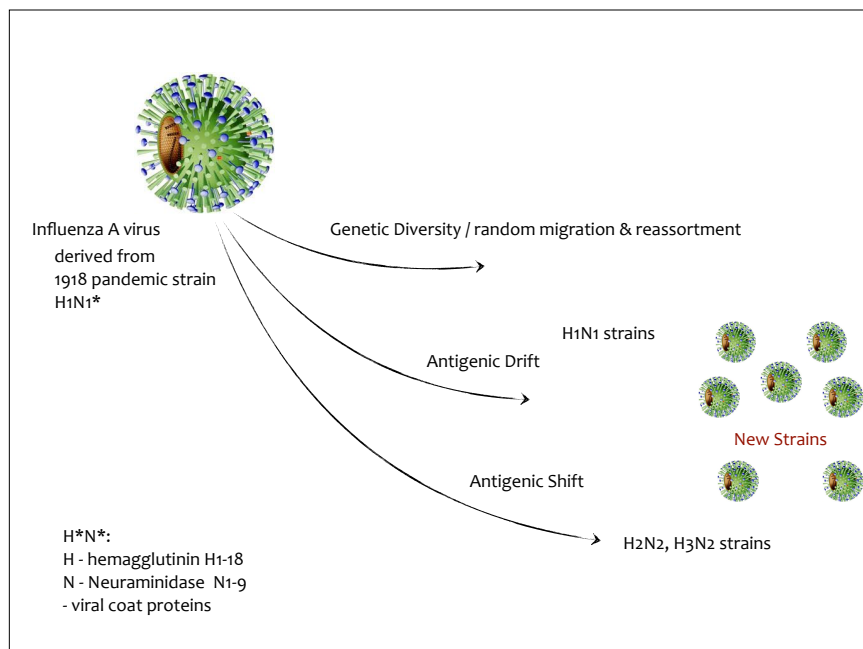
H*N*:

H - hemagglutinin H1-18

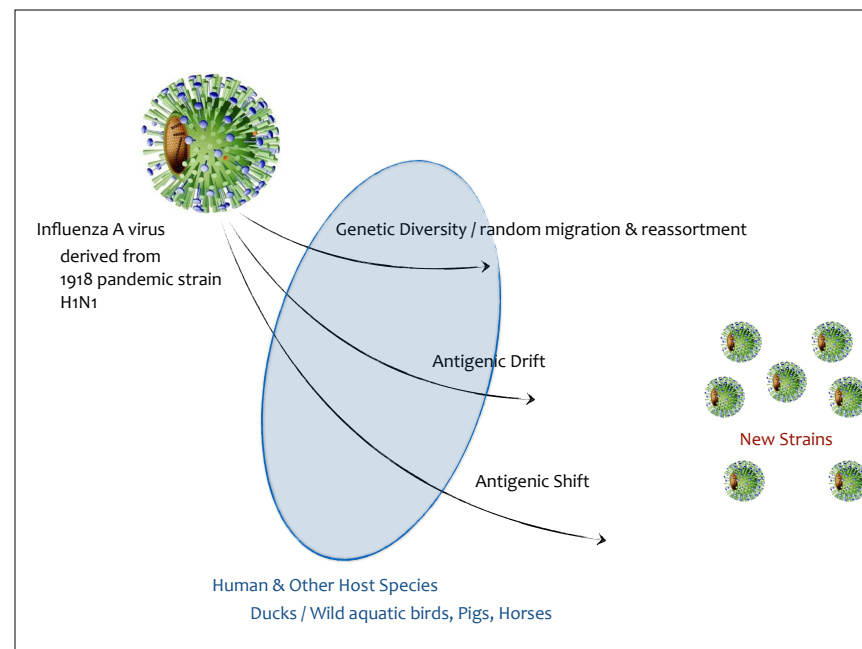
N - Neuraminidase N1-9

- viral coat proteins

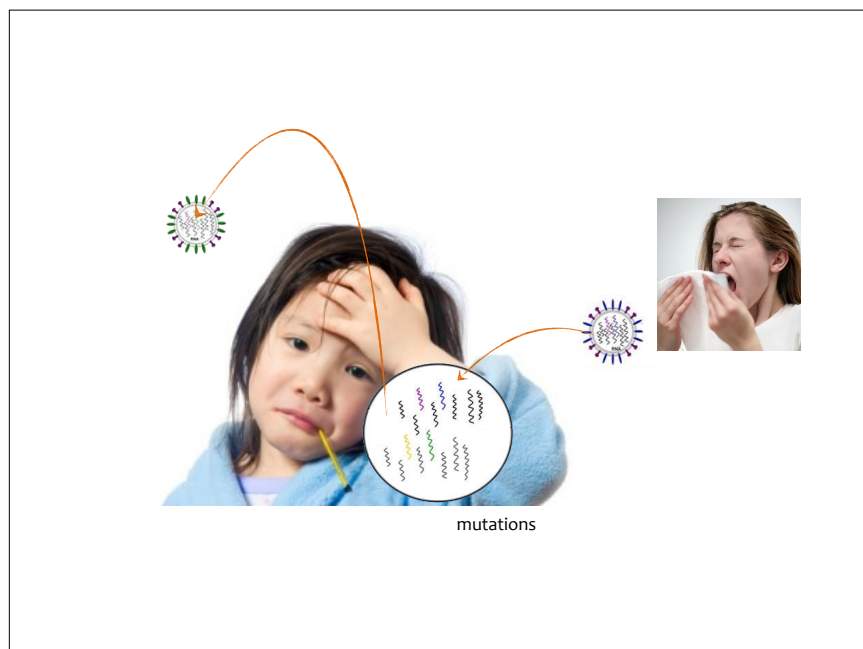
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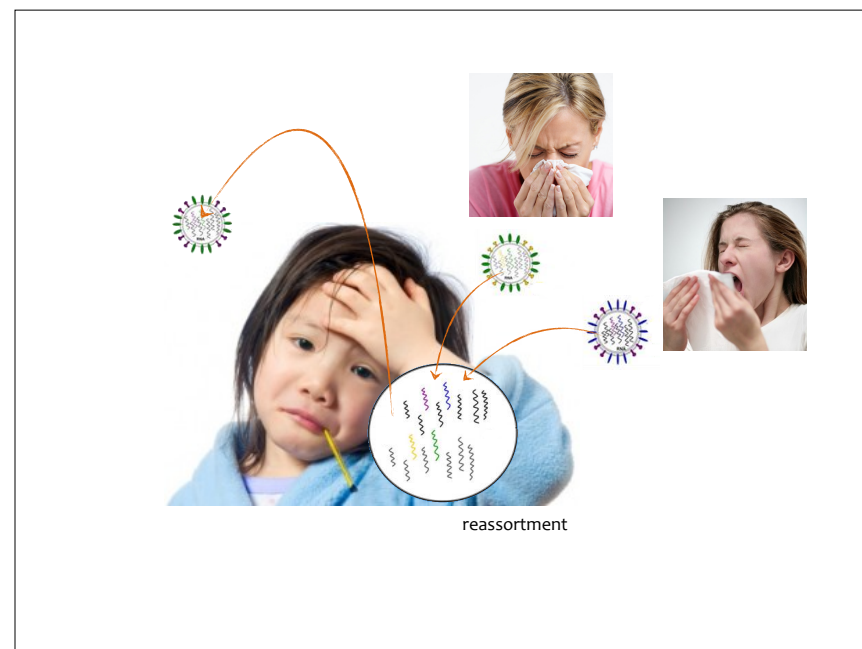
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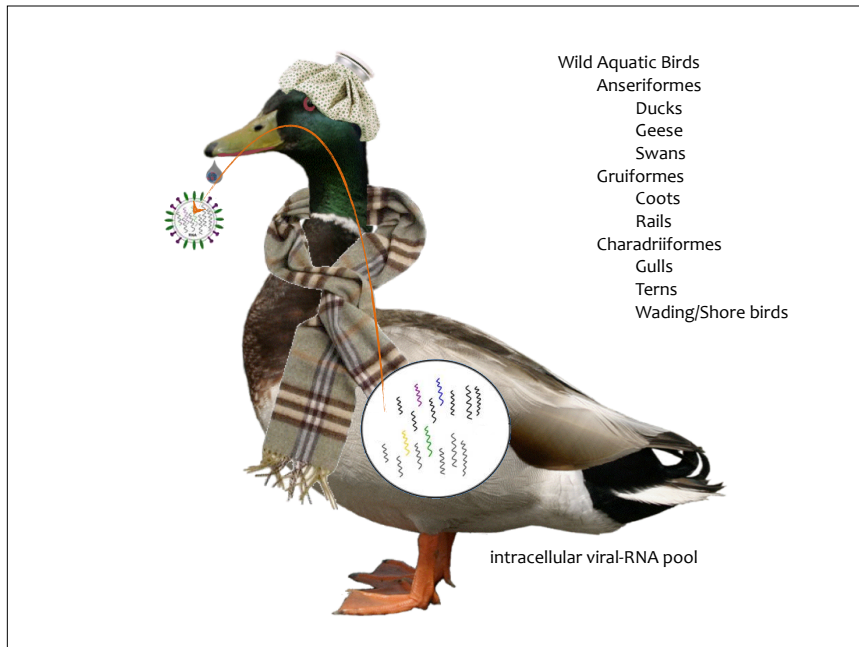
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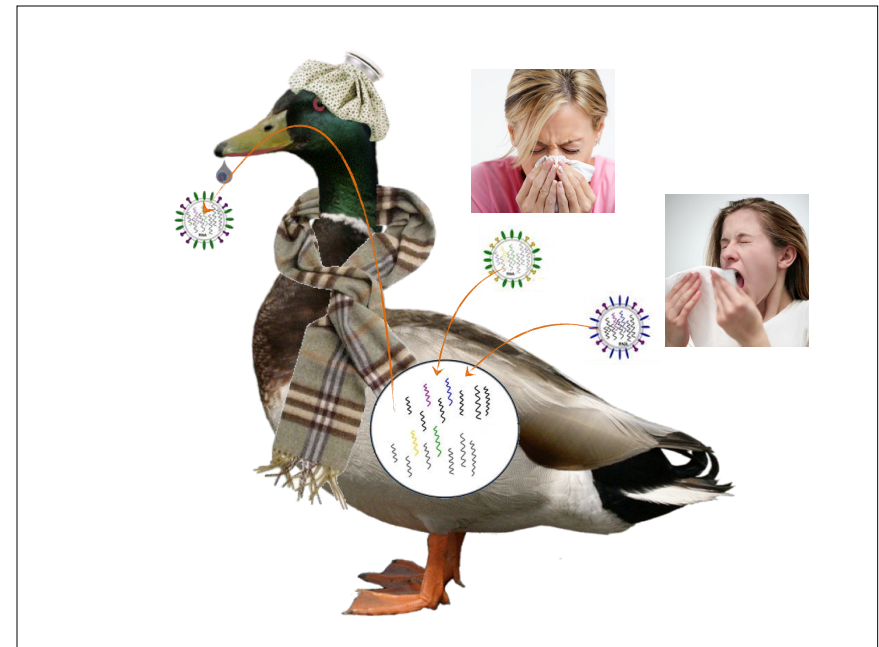
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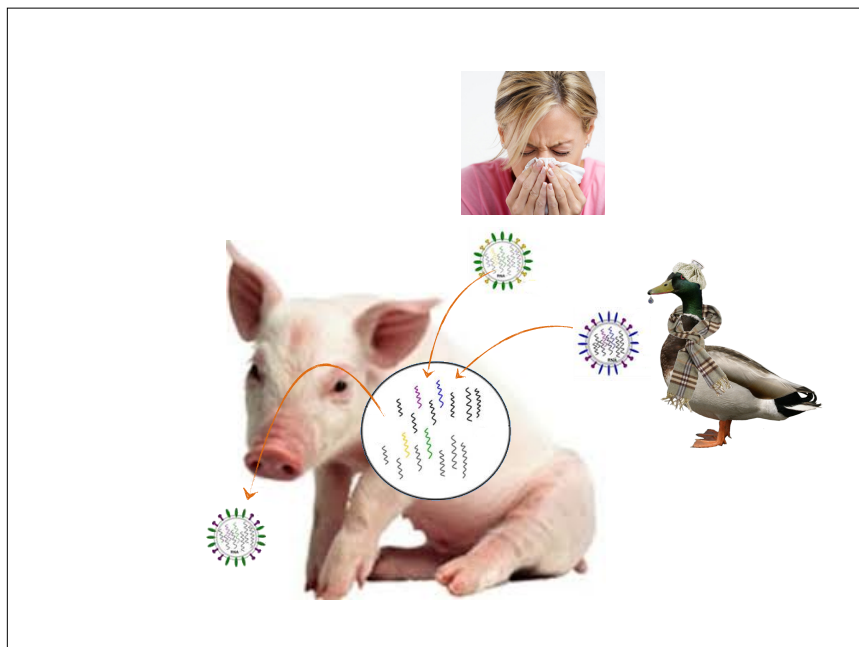
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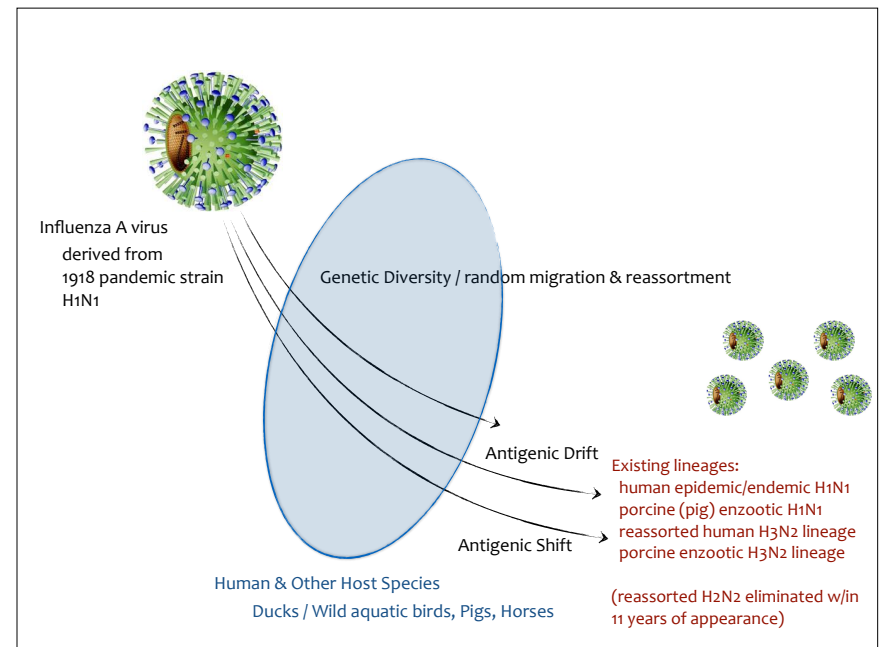
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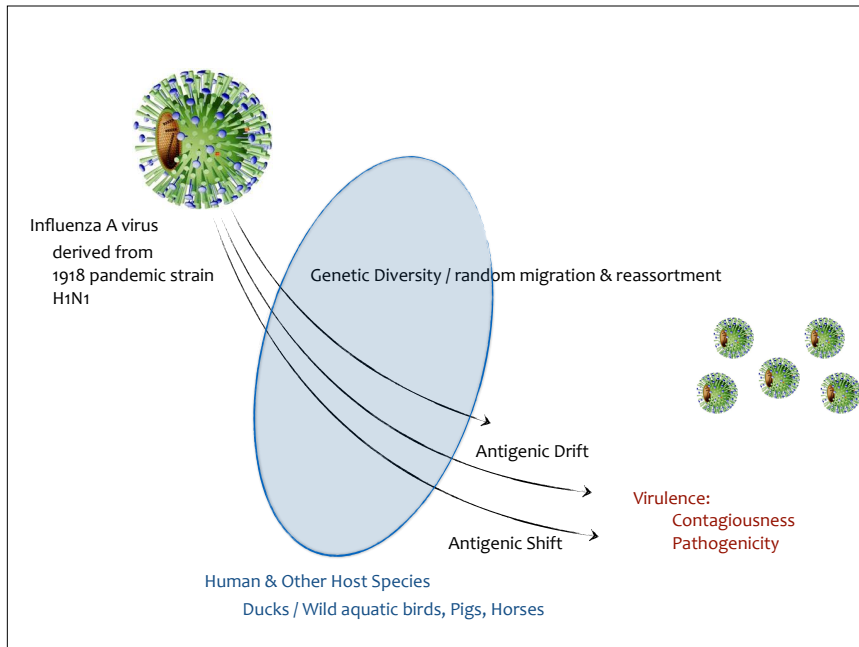
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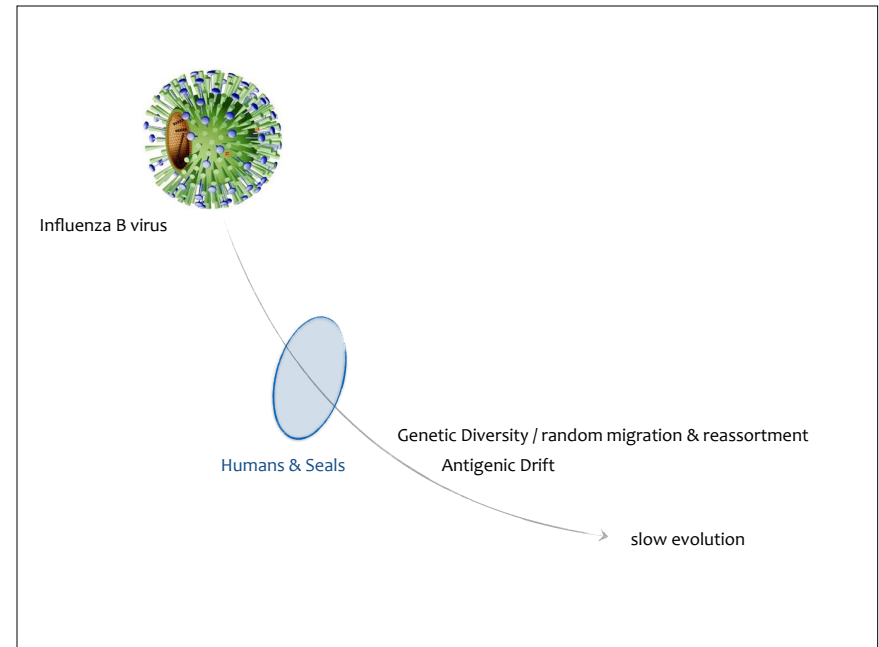
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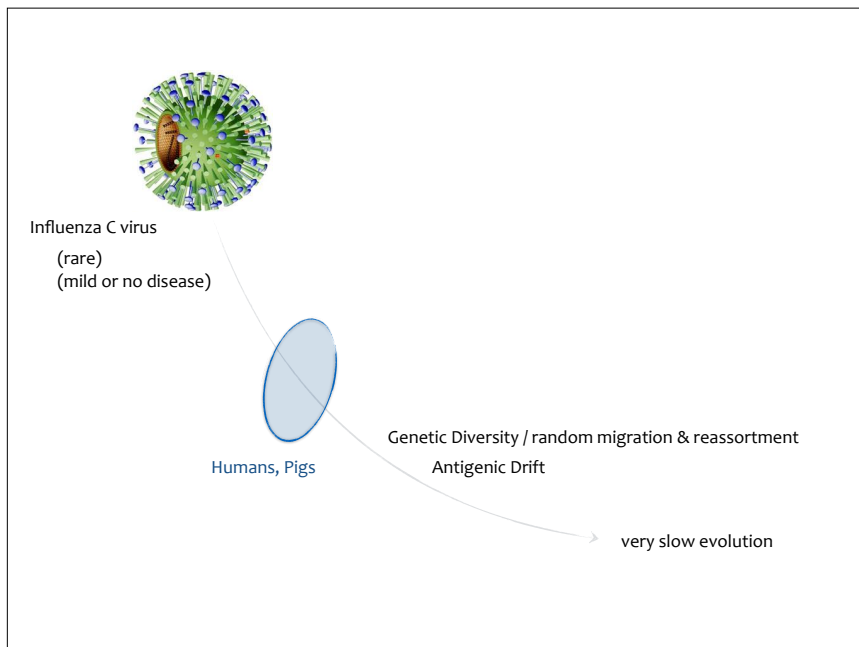
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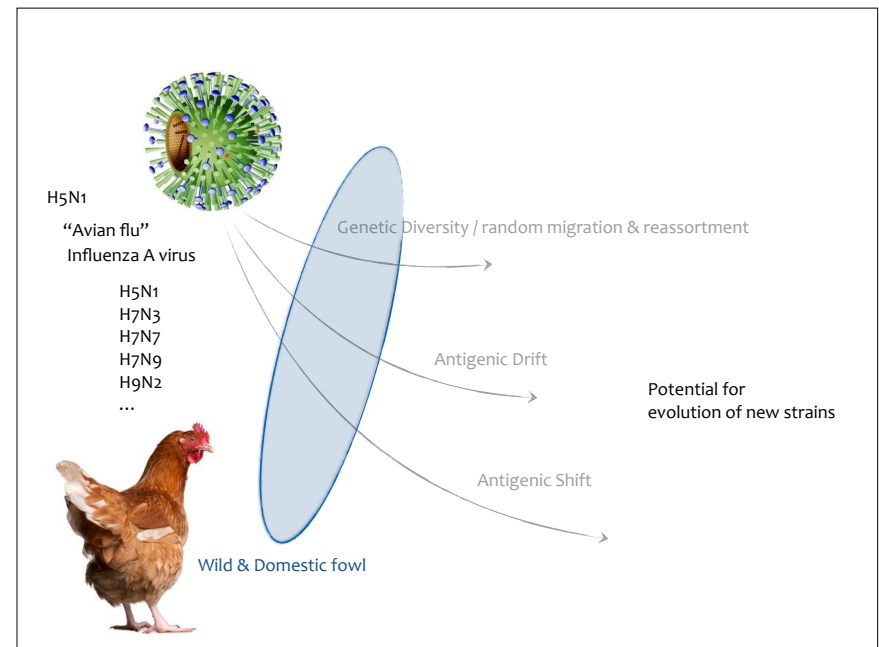
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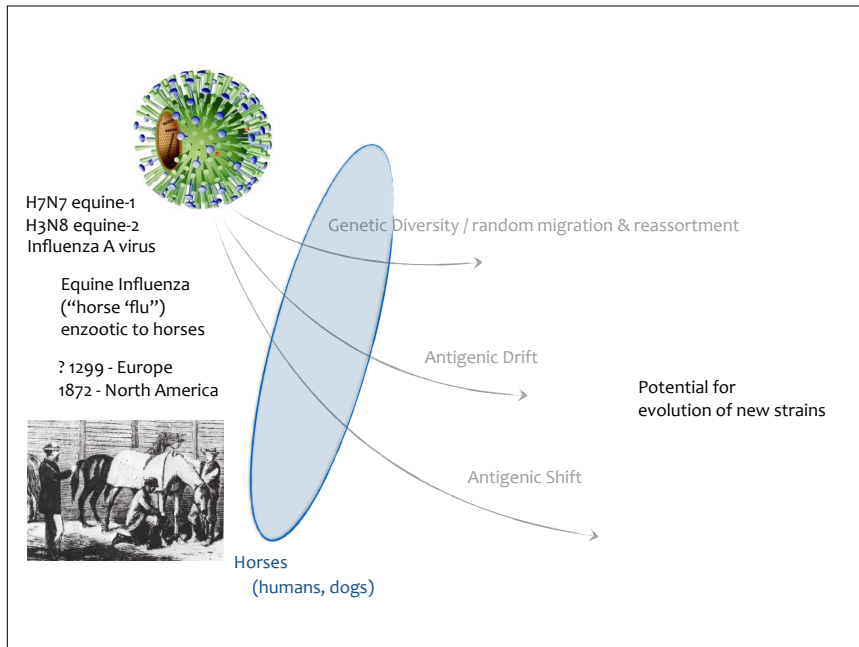
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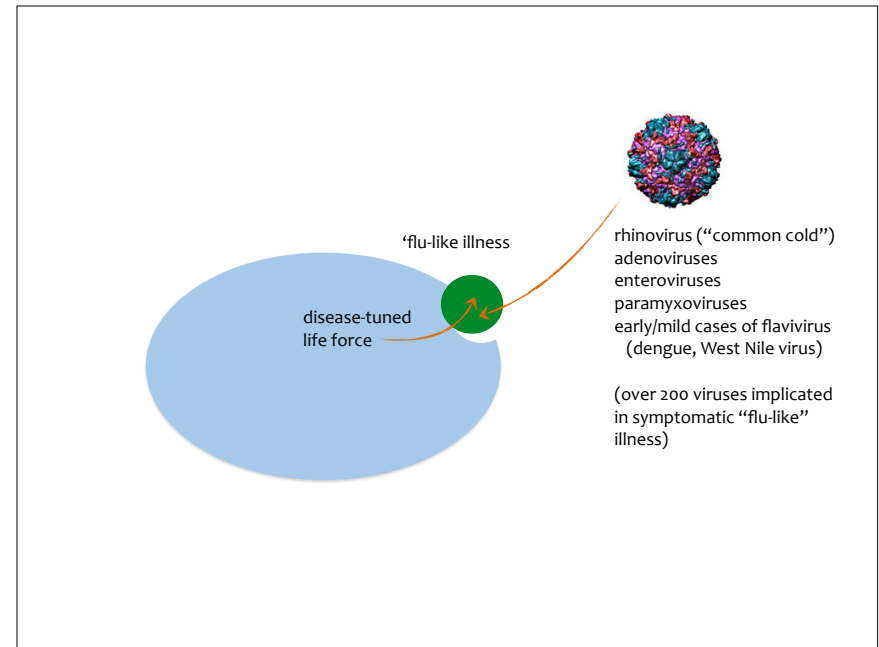
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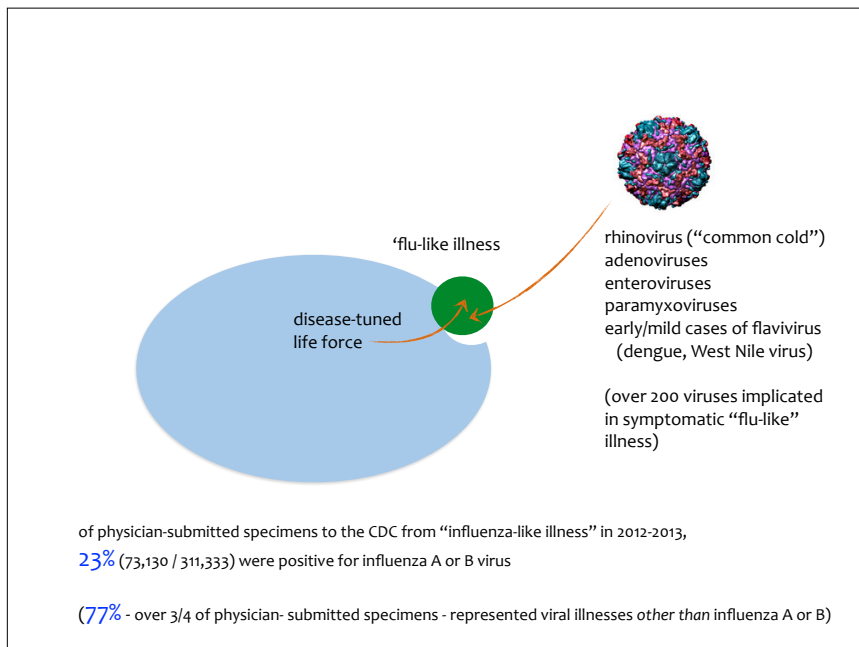
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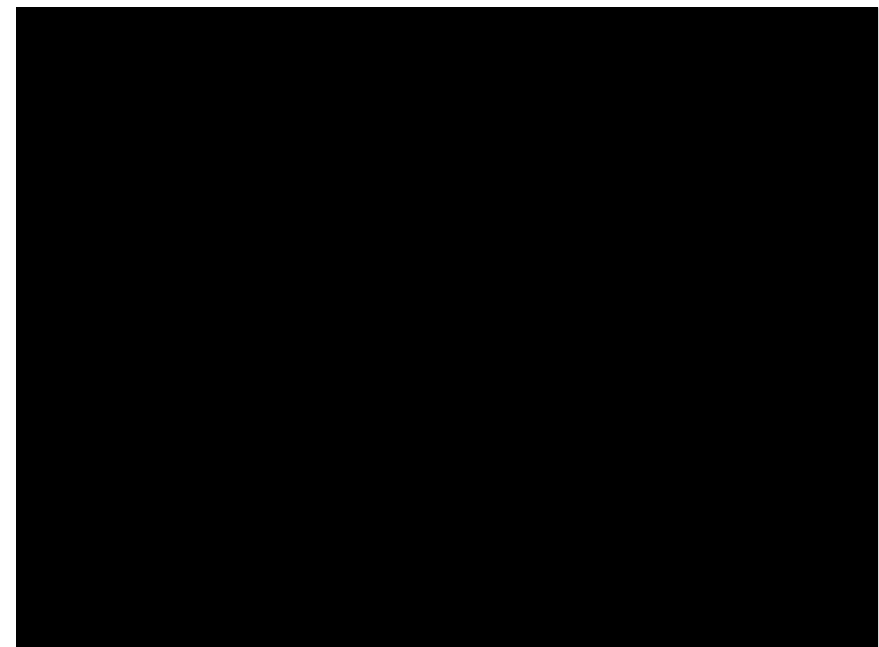
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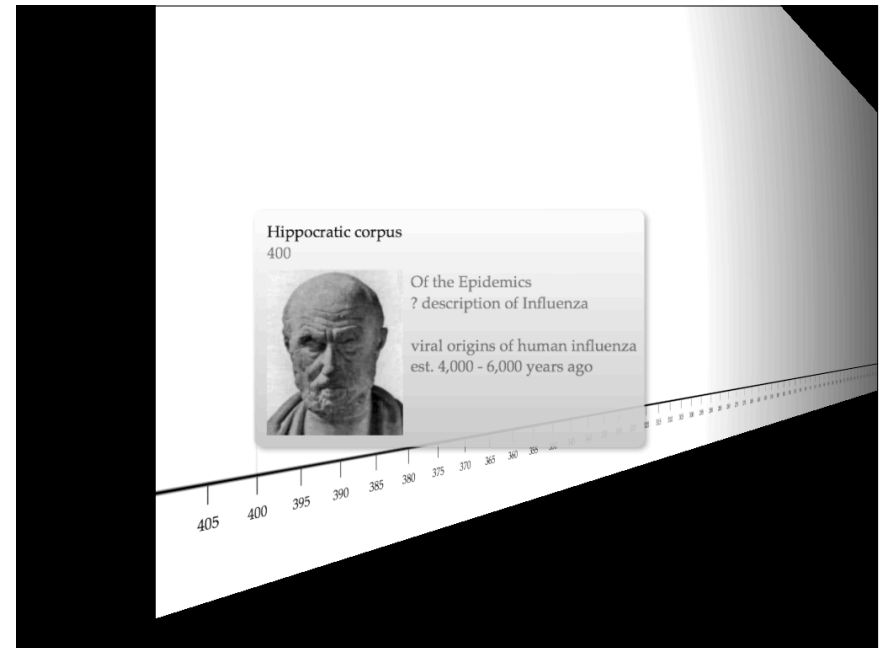
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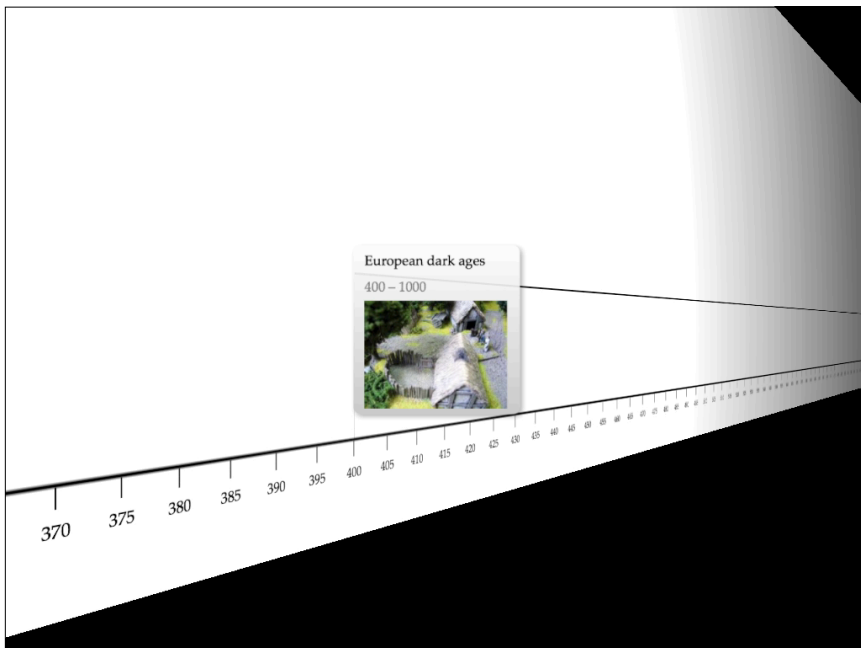
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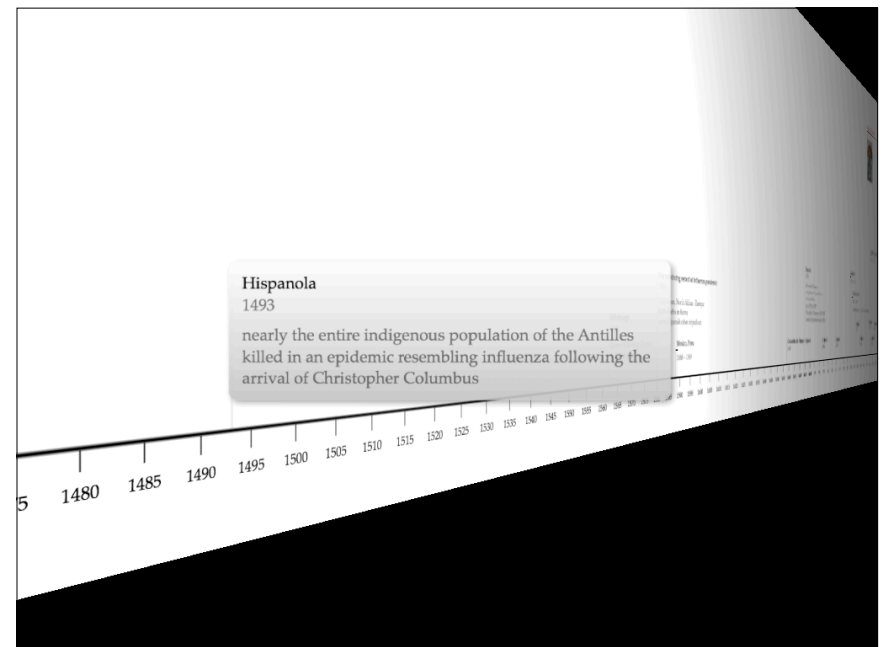
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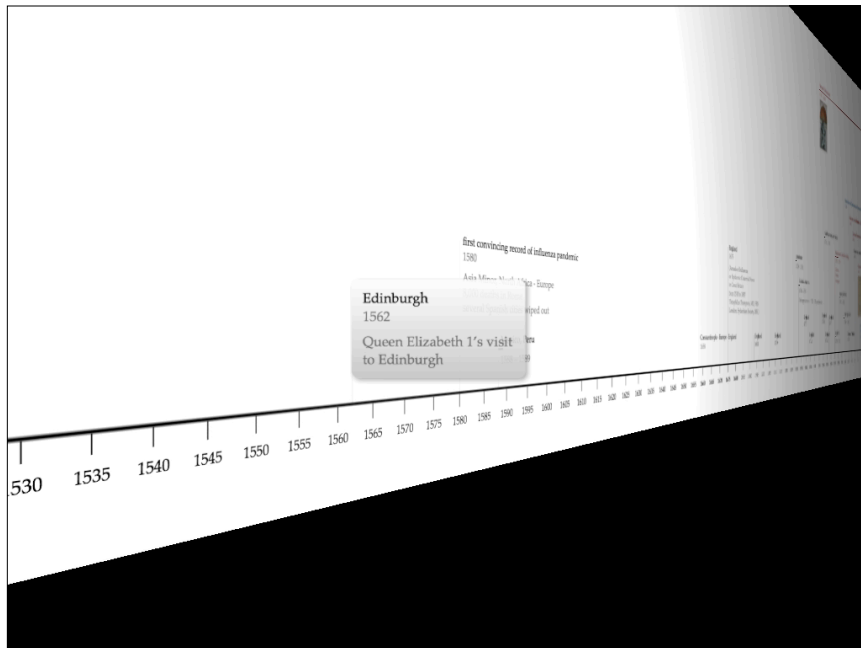
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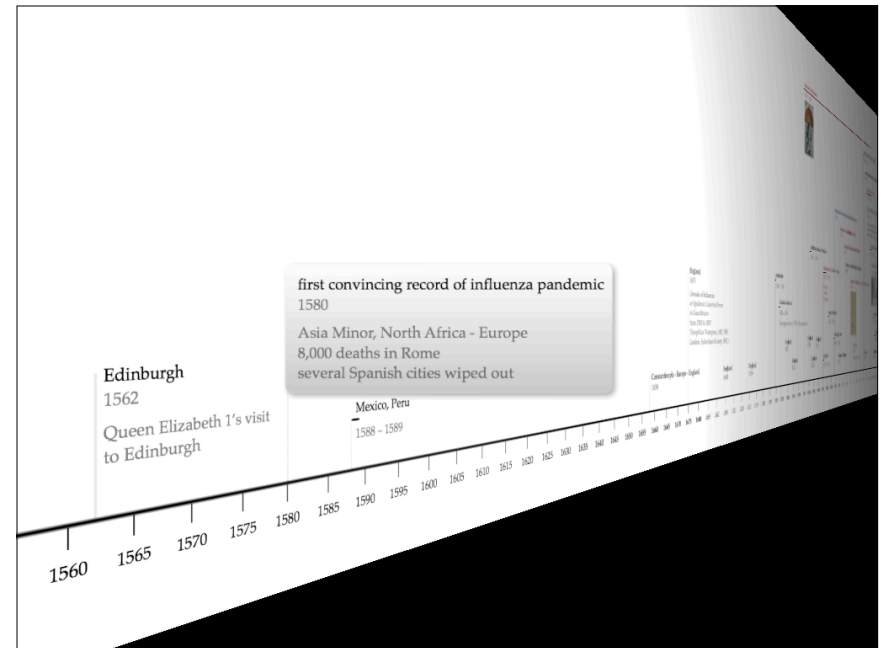
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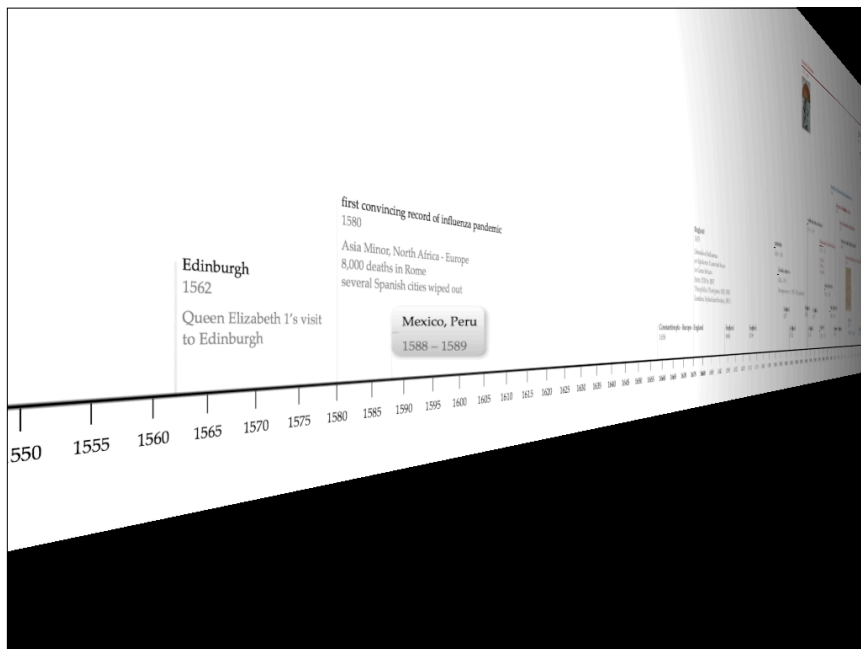
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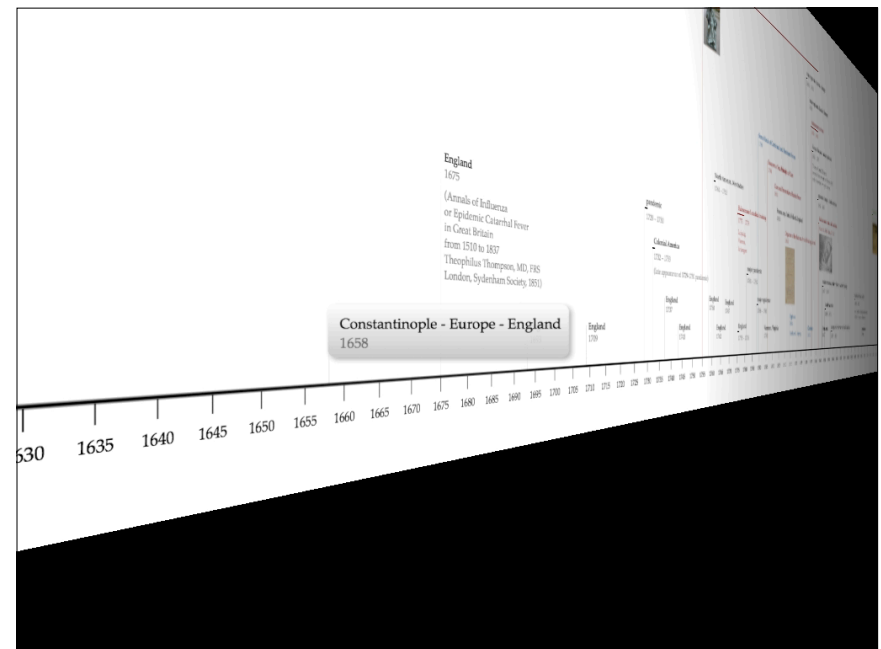
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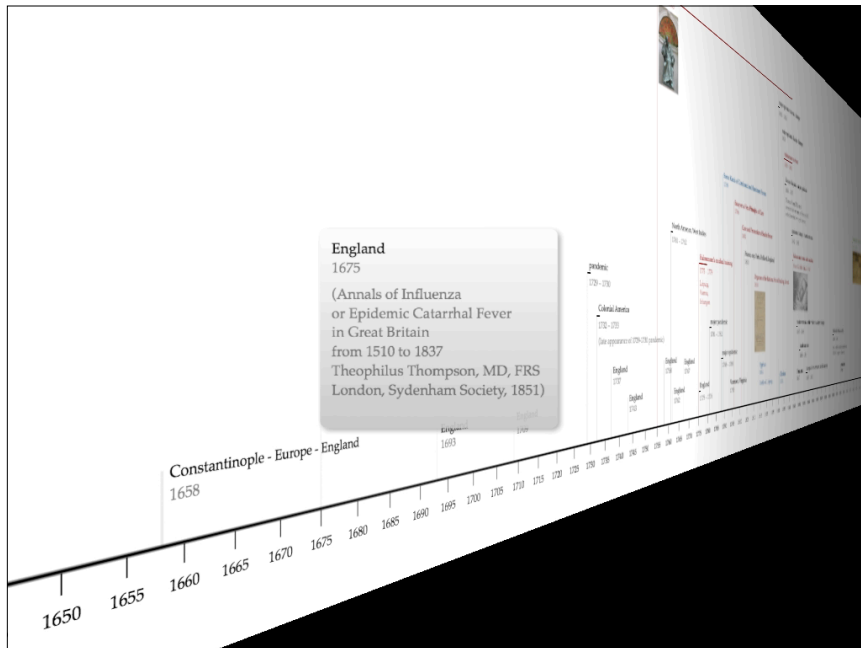
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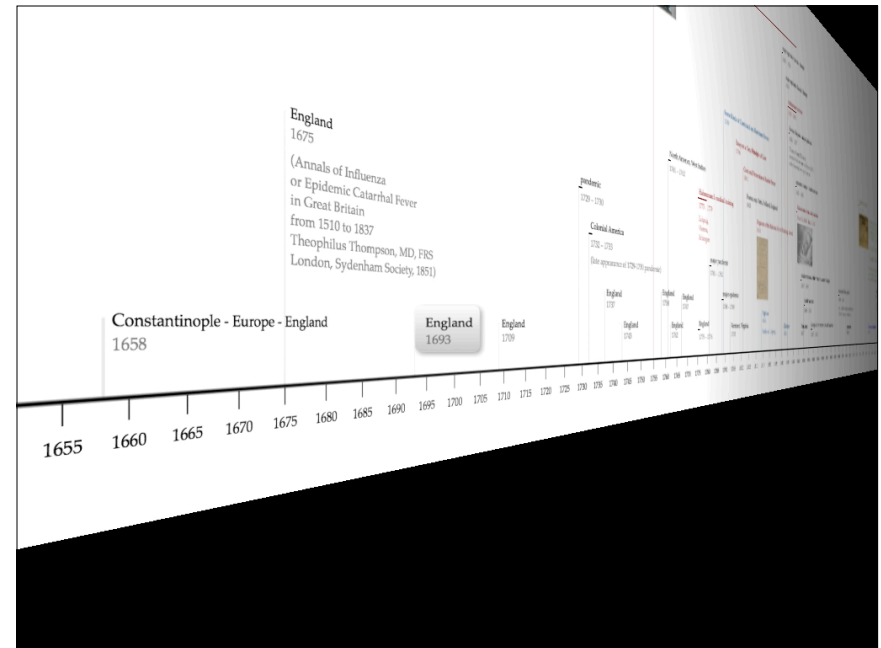
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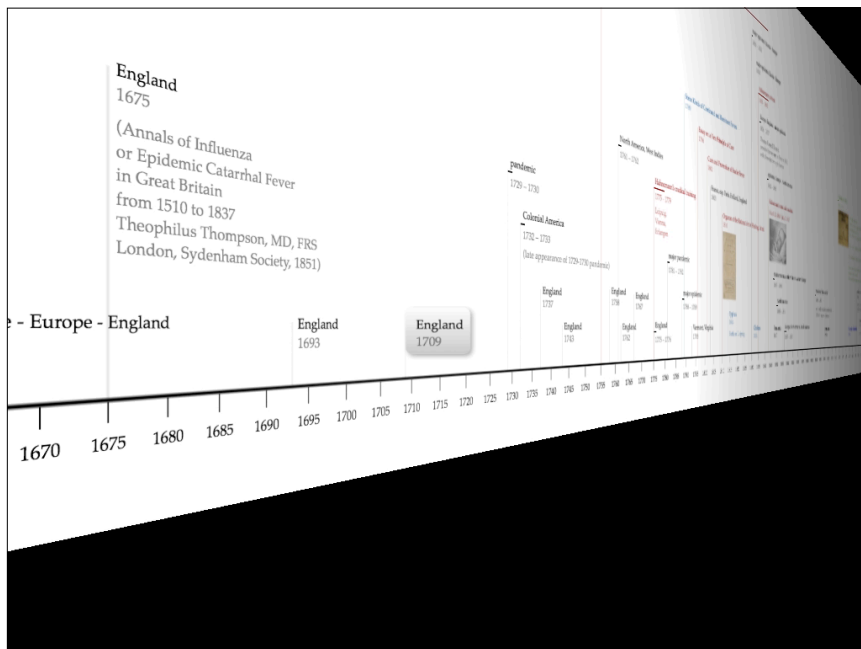
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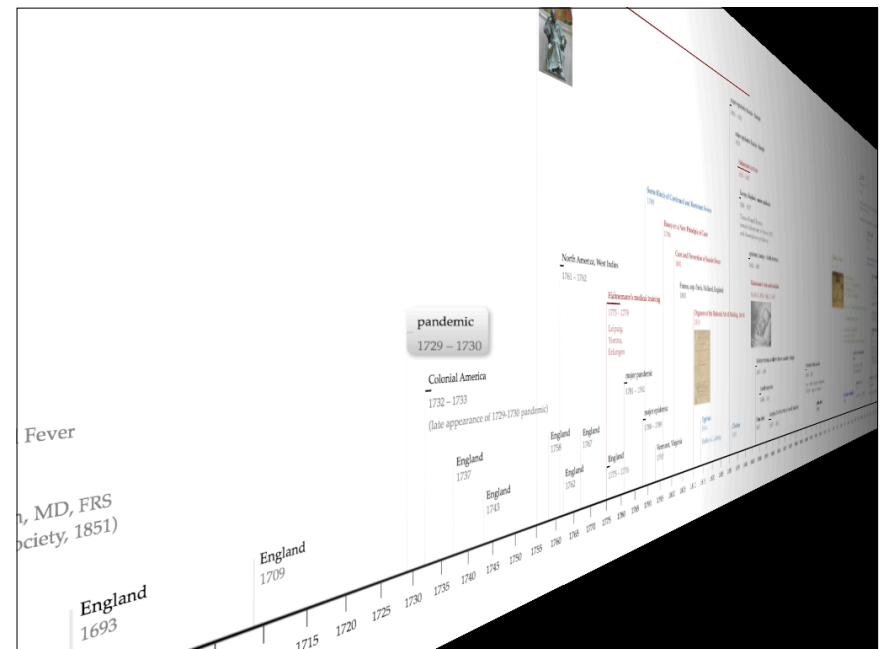
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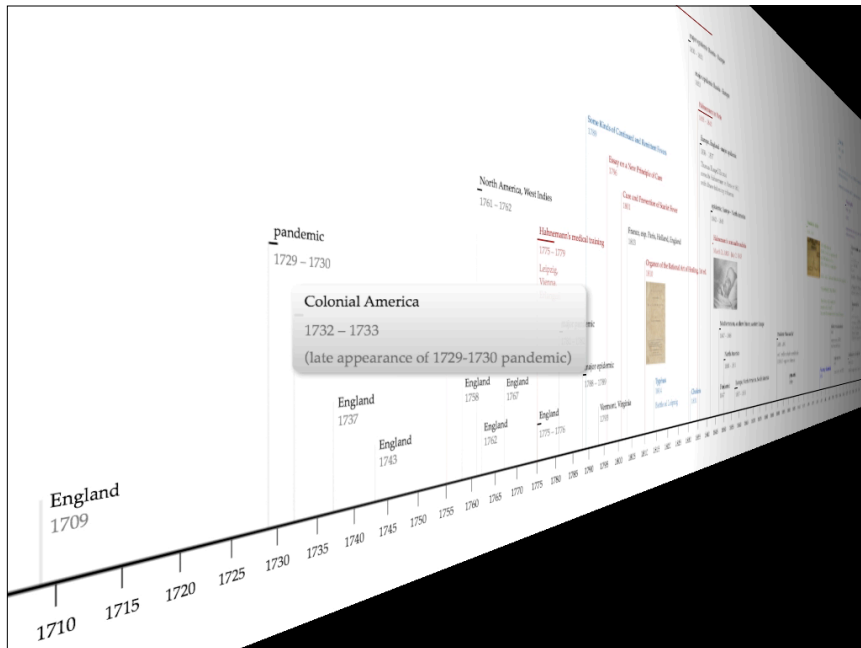
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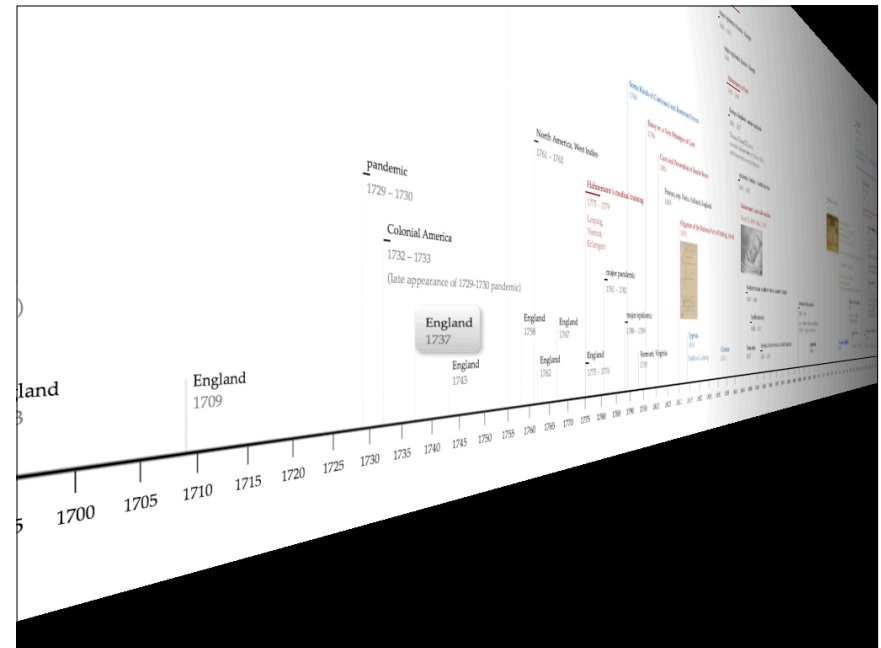
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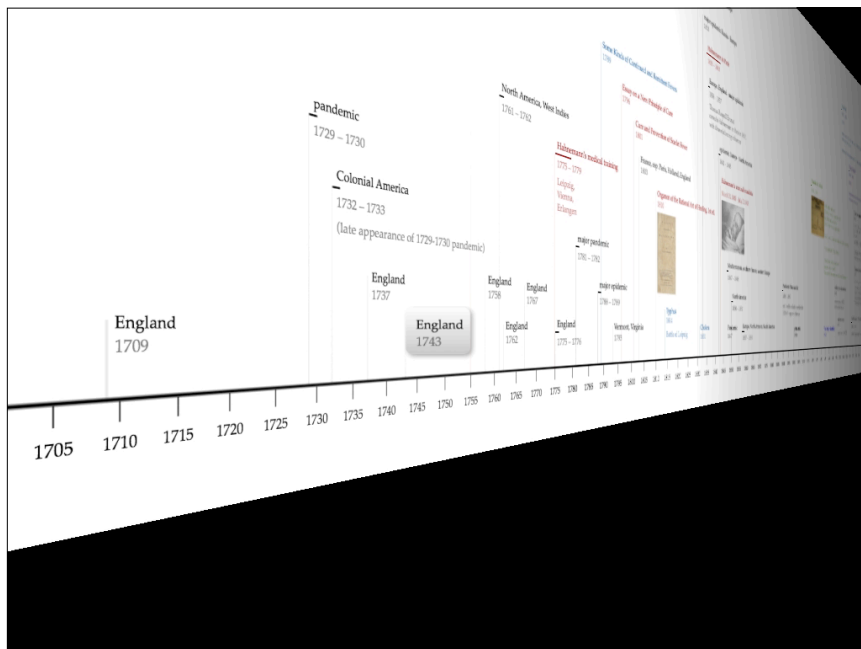
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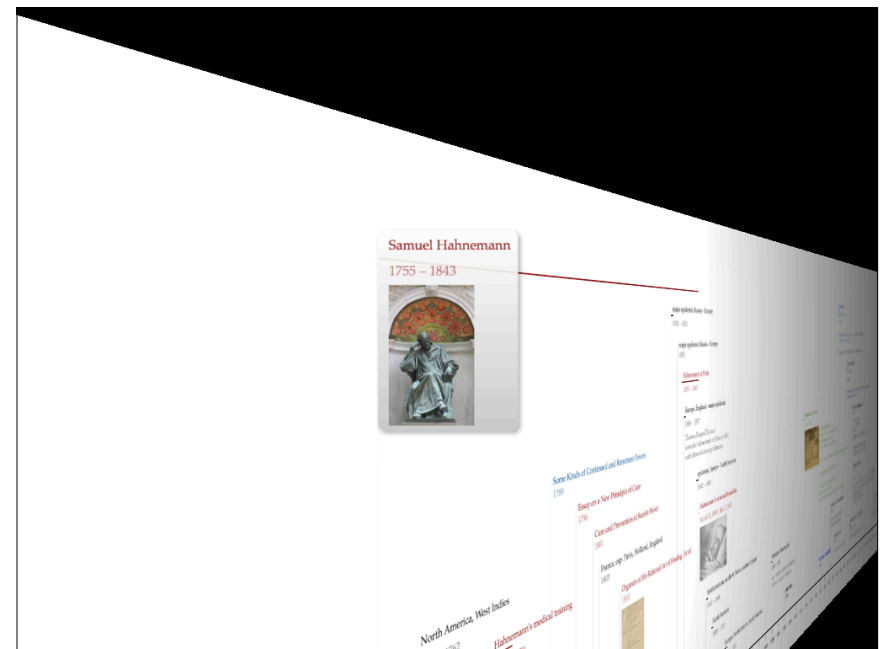
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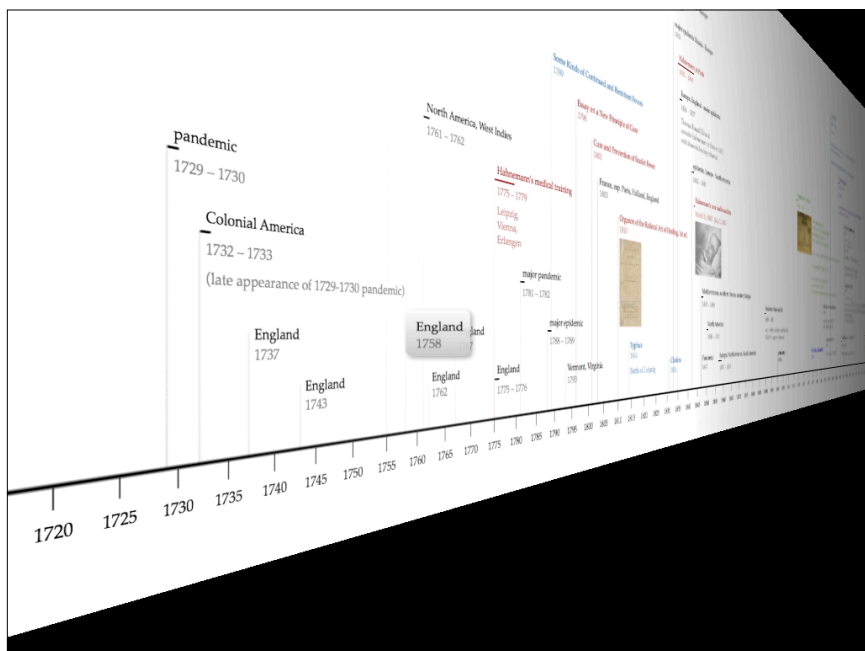
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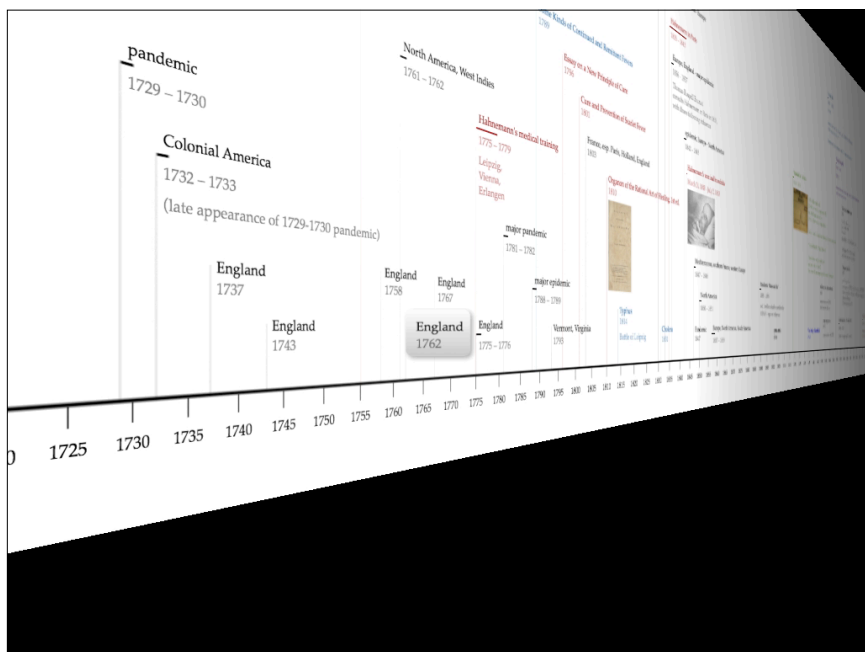
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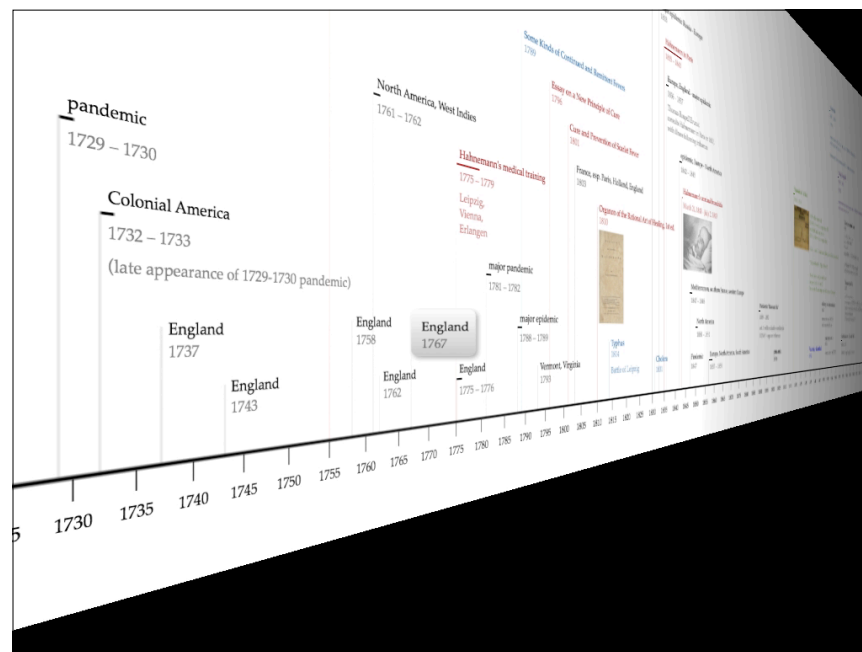
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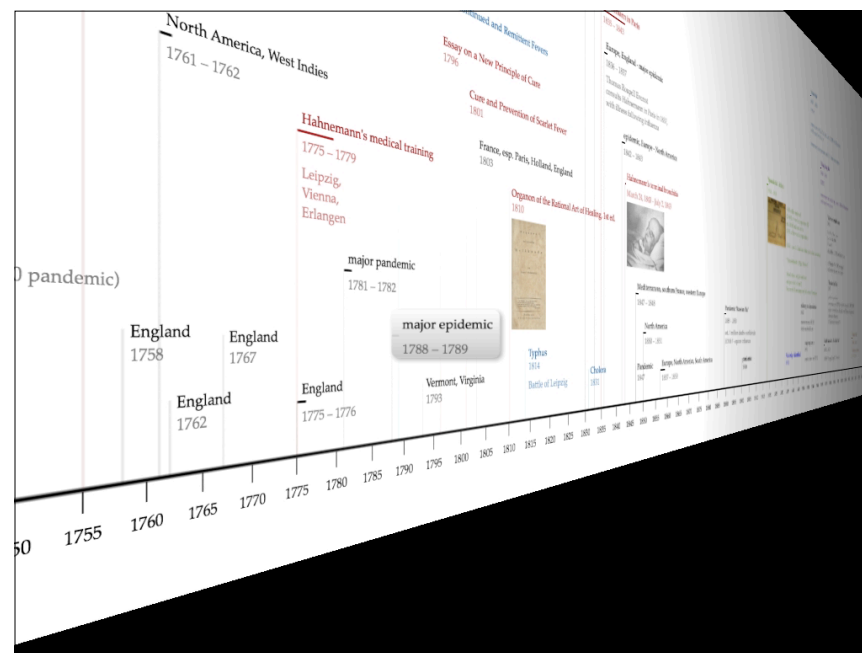
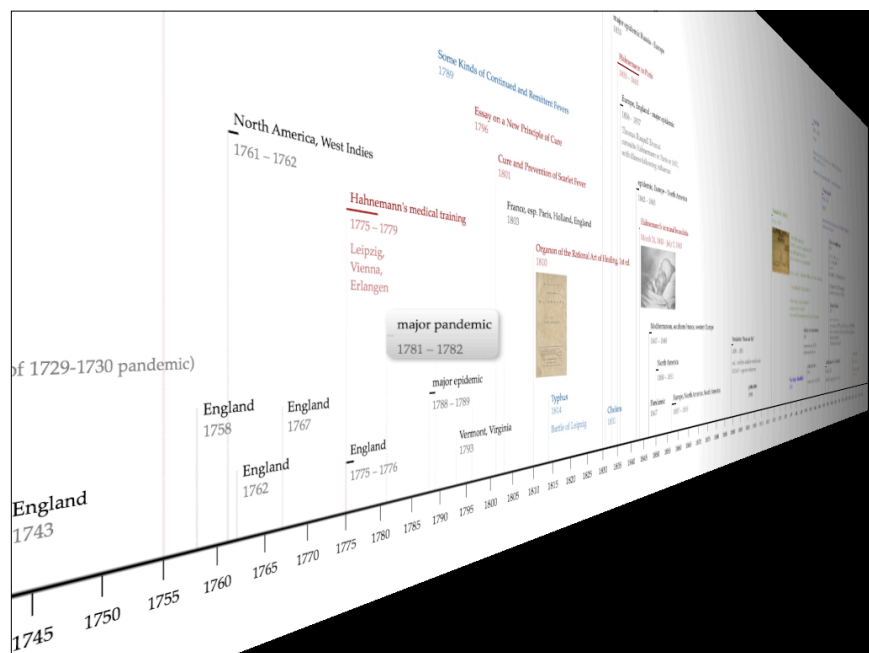
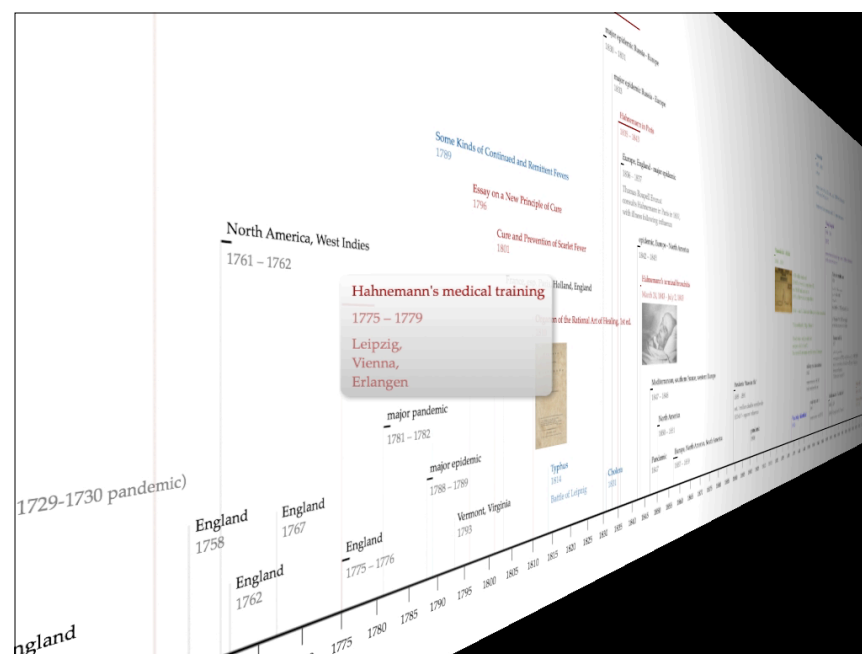
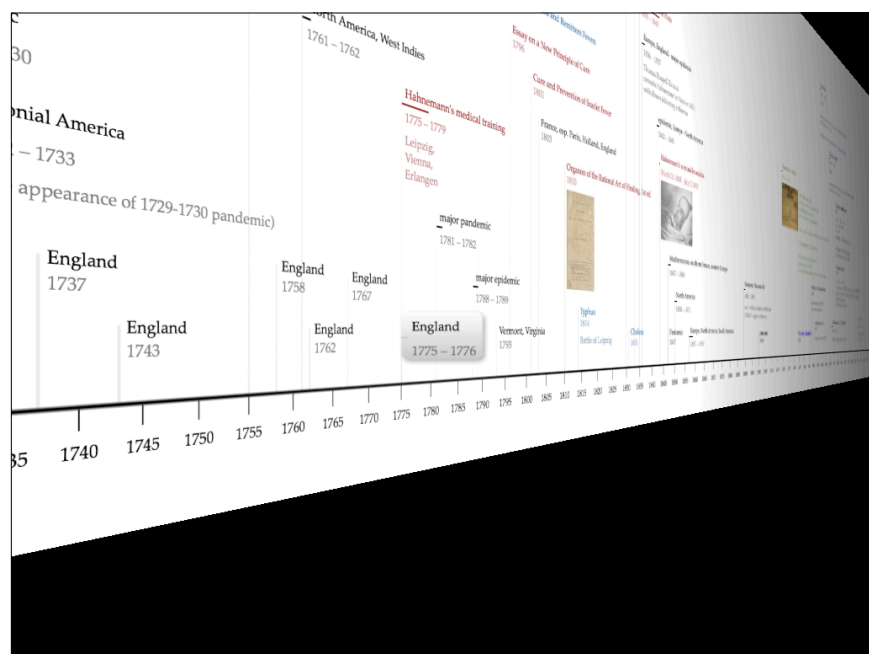
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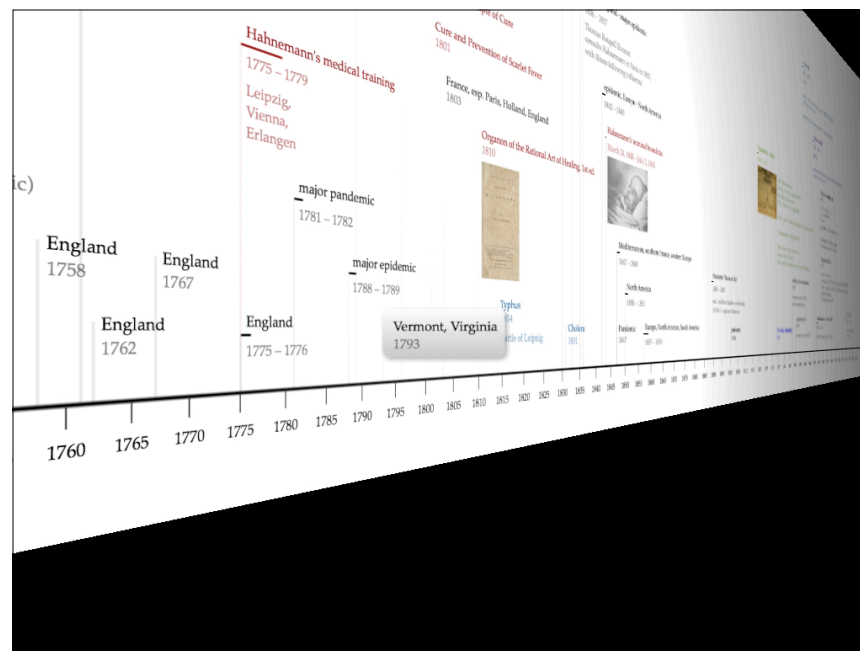


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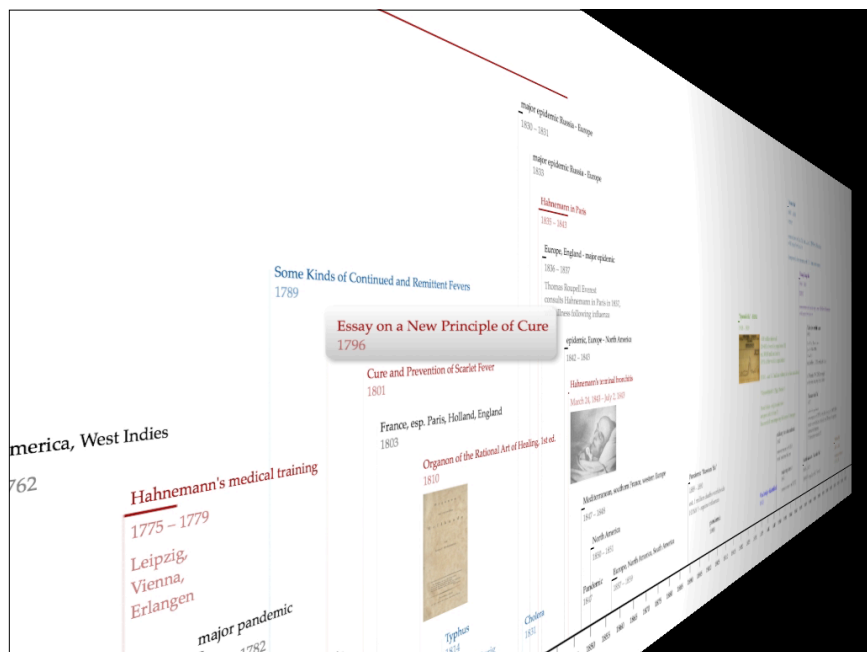




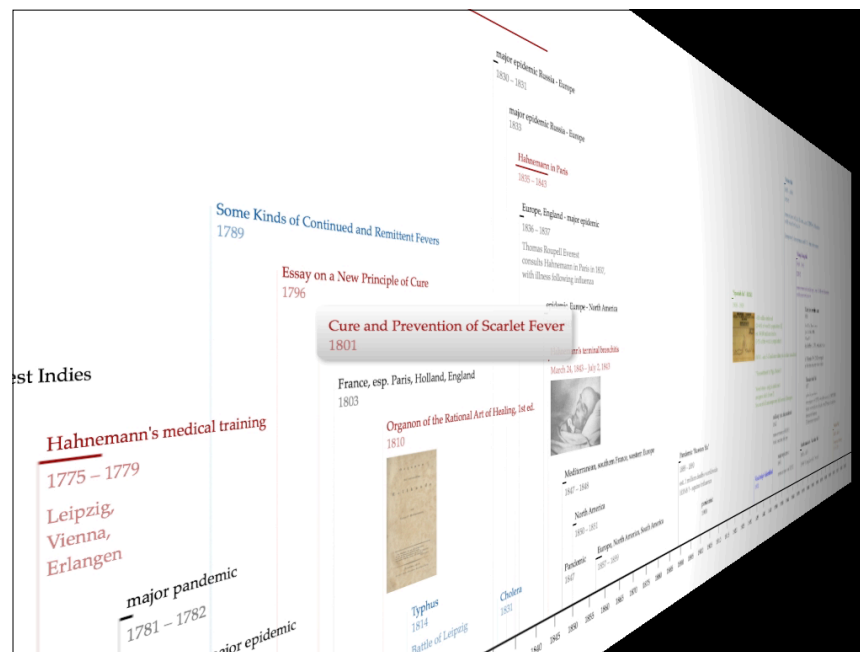
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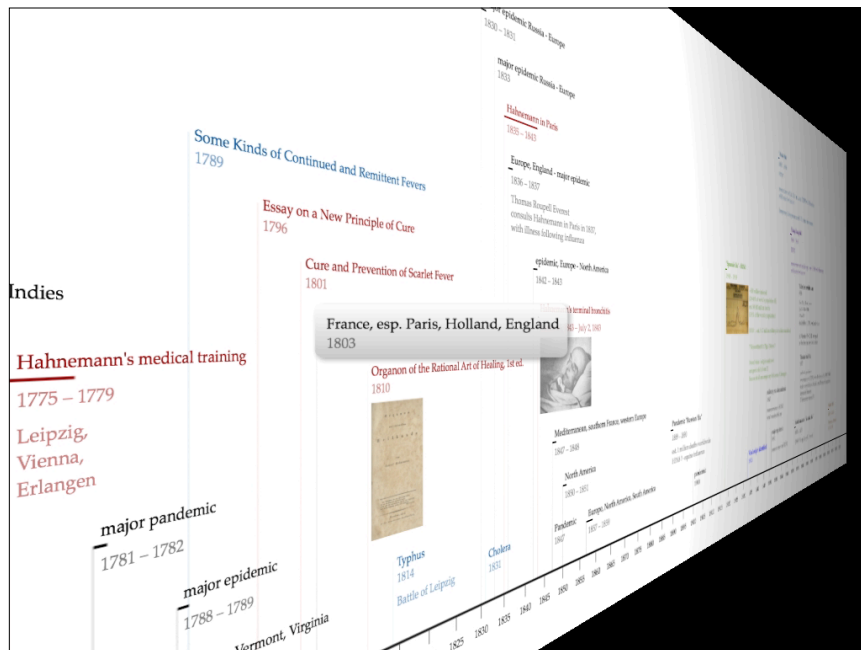
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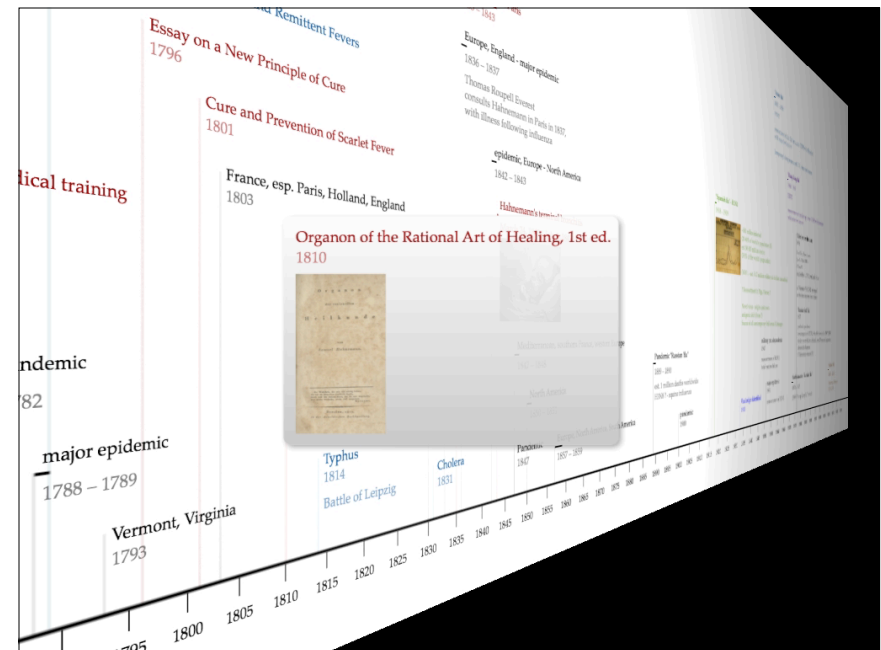
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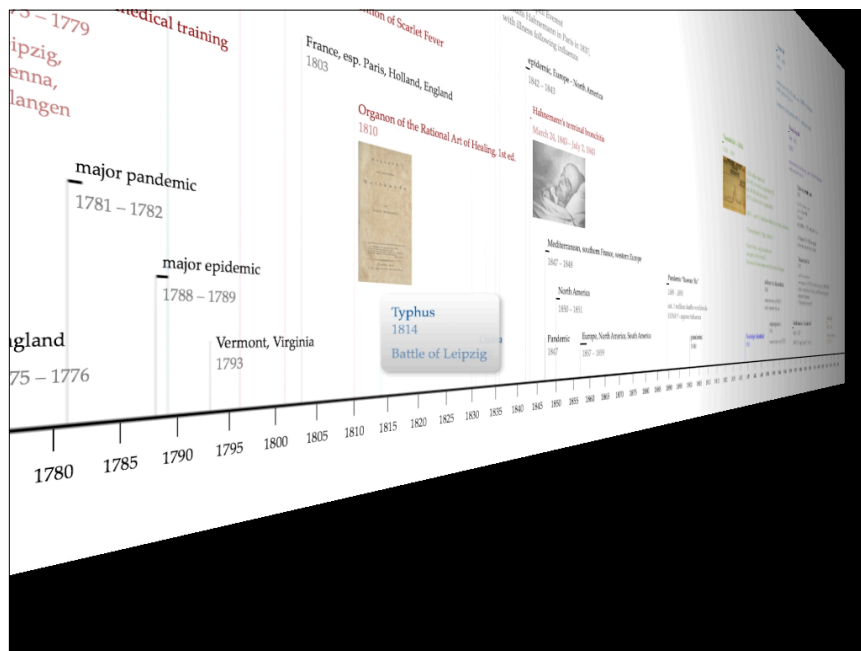
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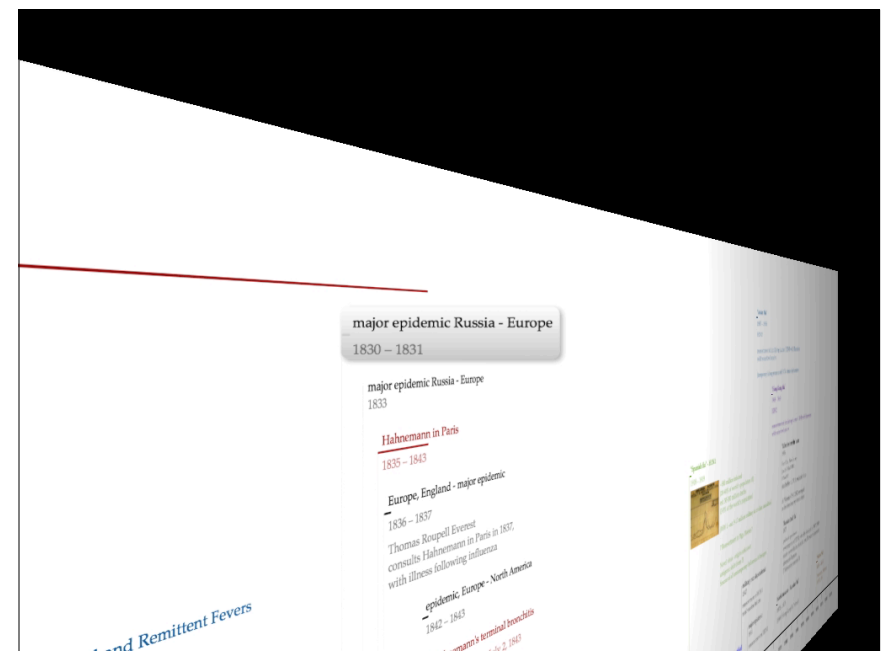
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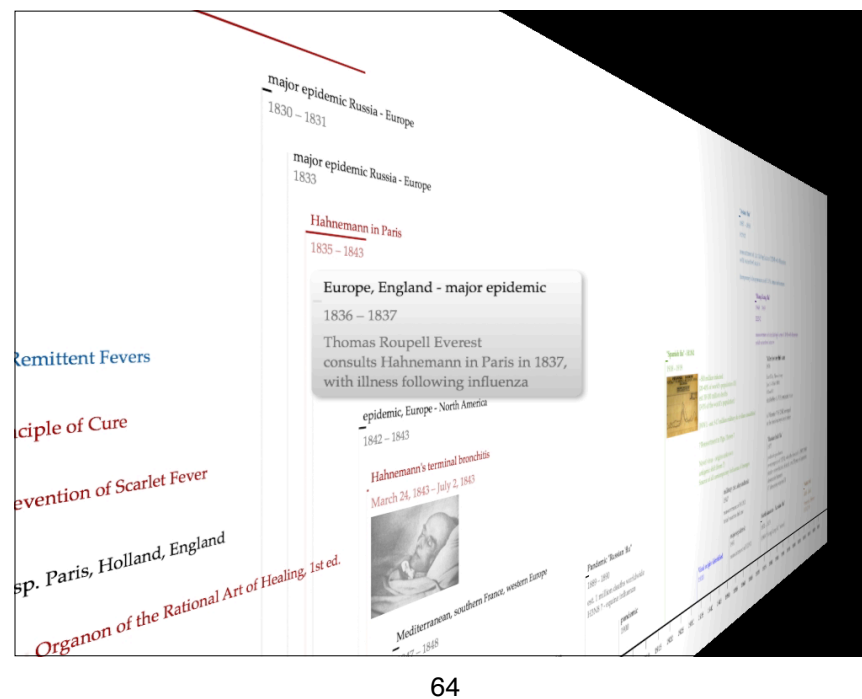
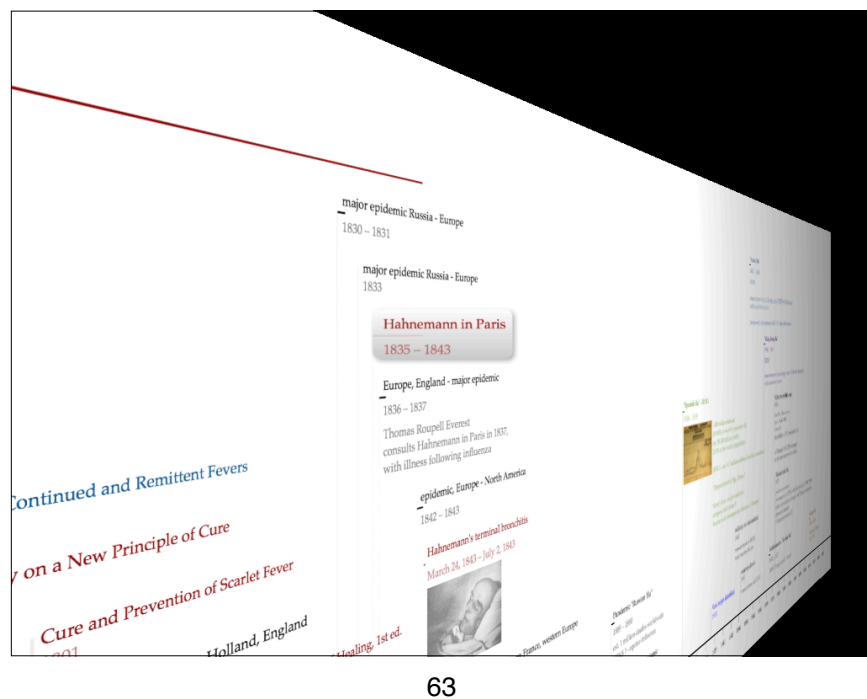
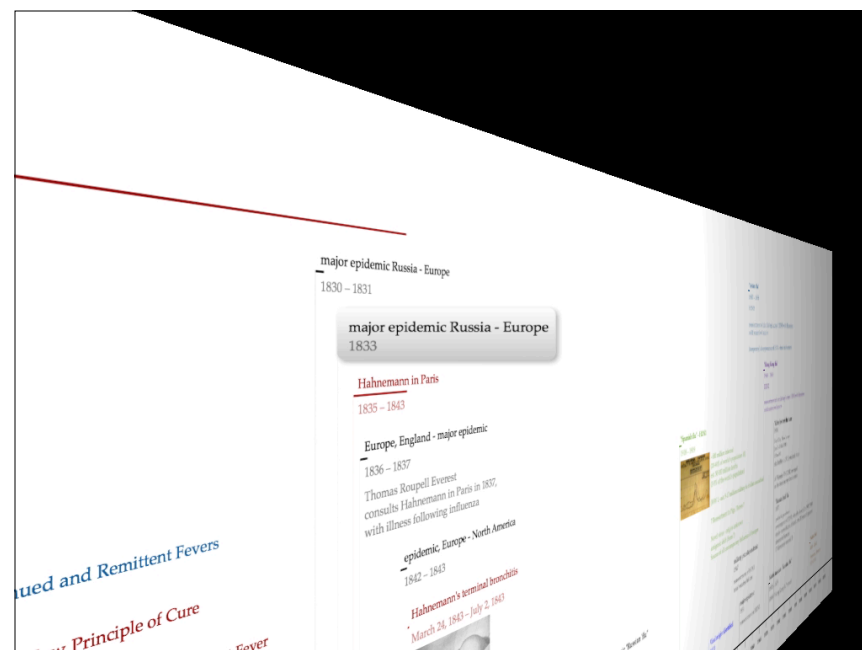
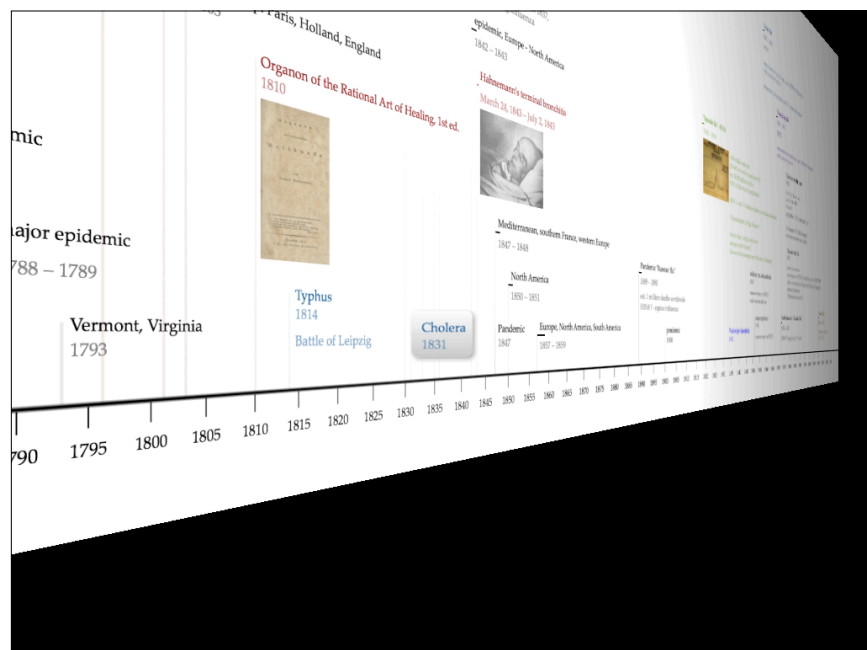
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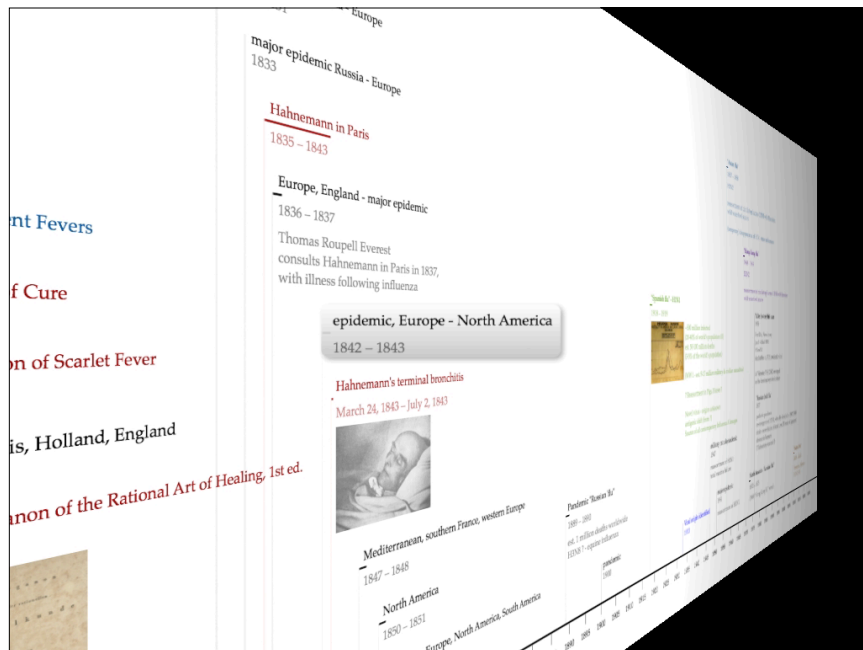


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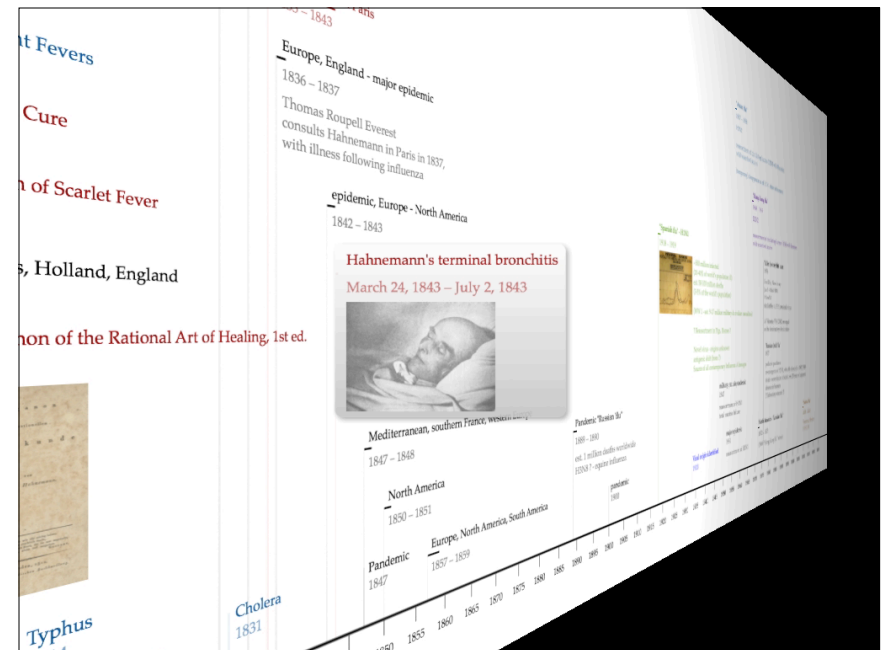


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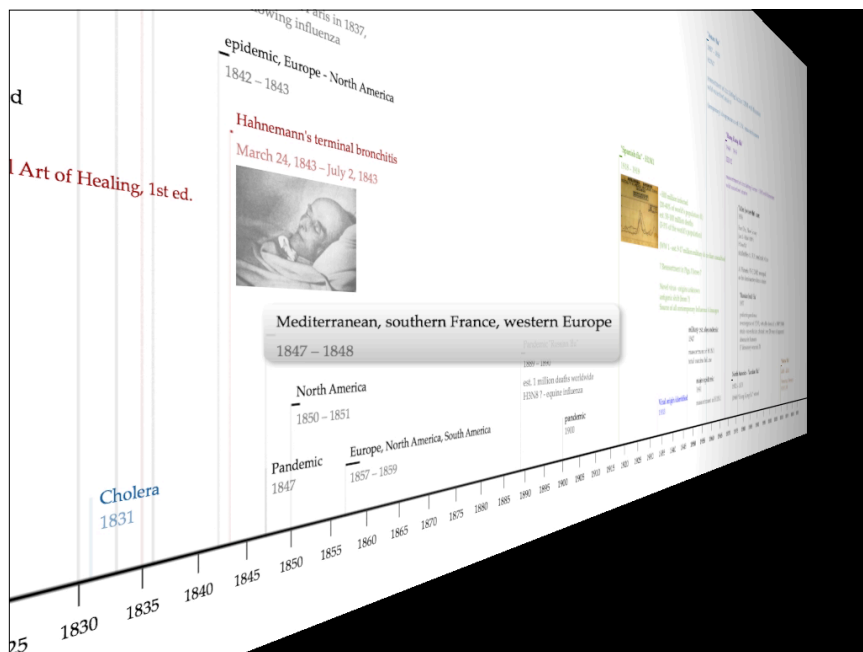




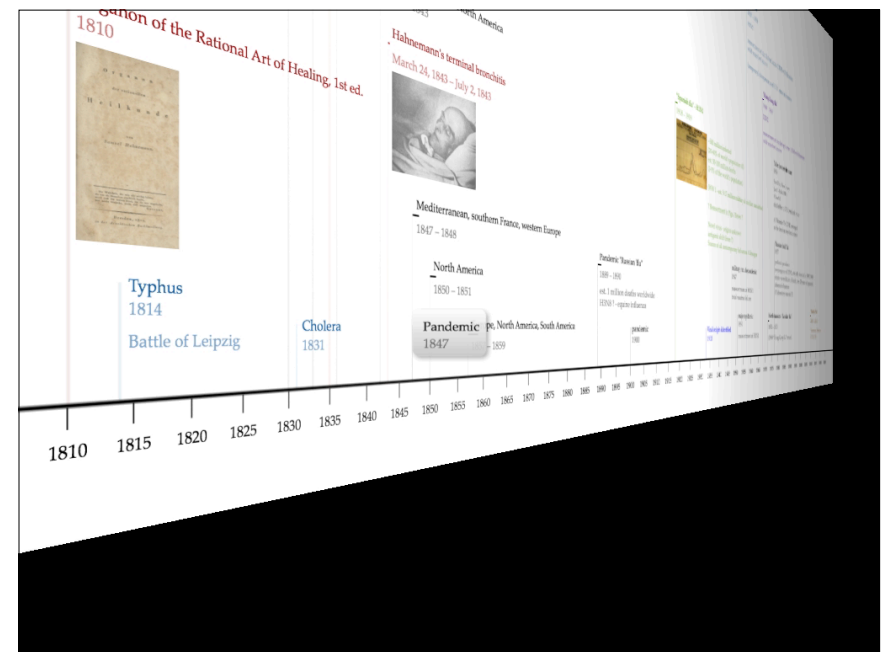
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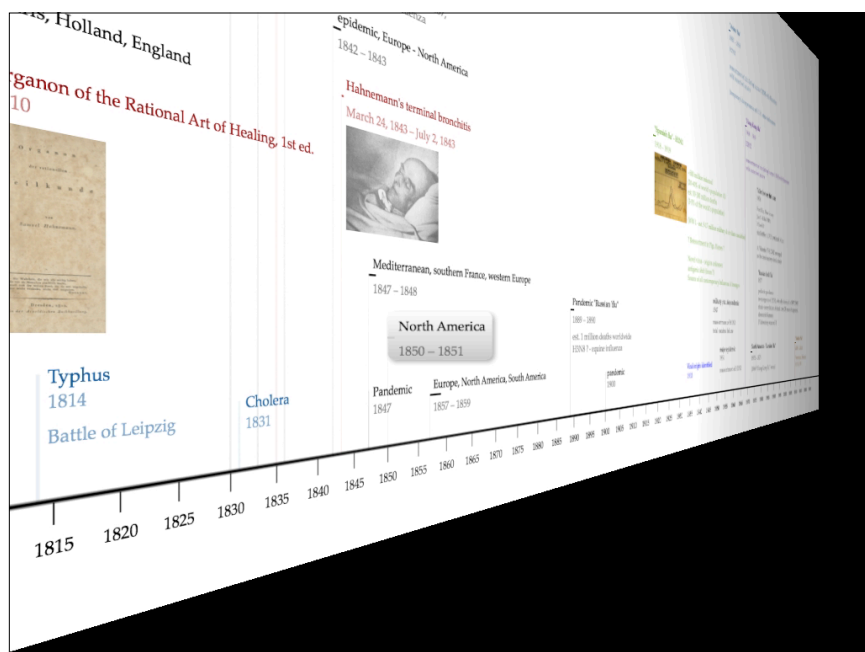
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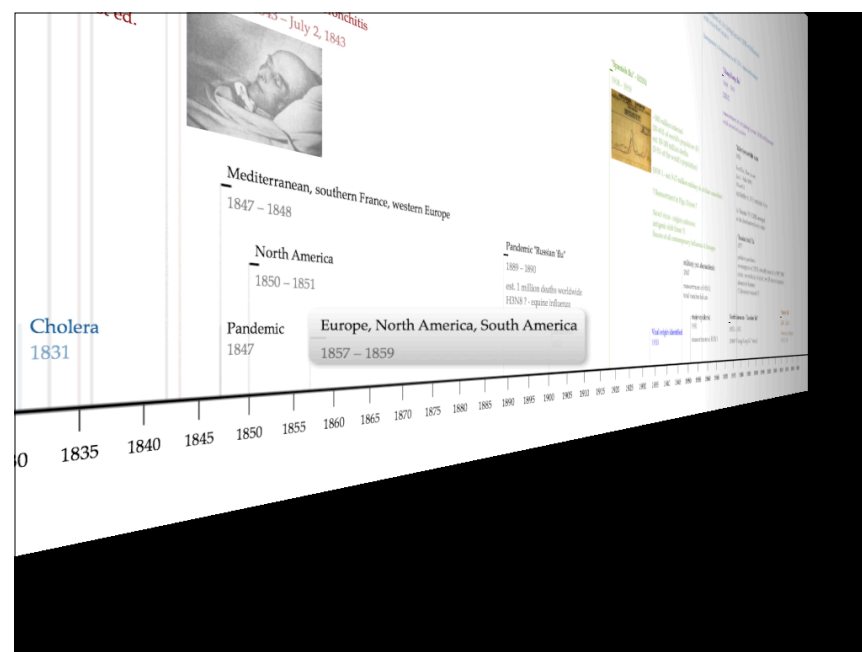
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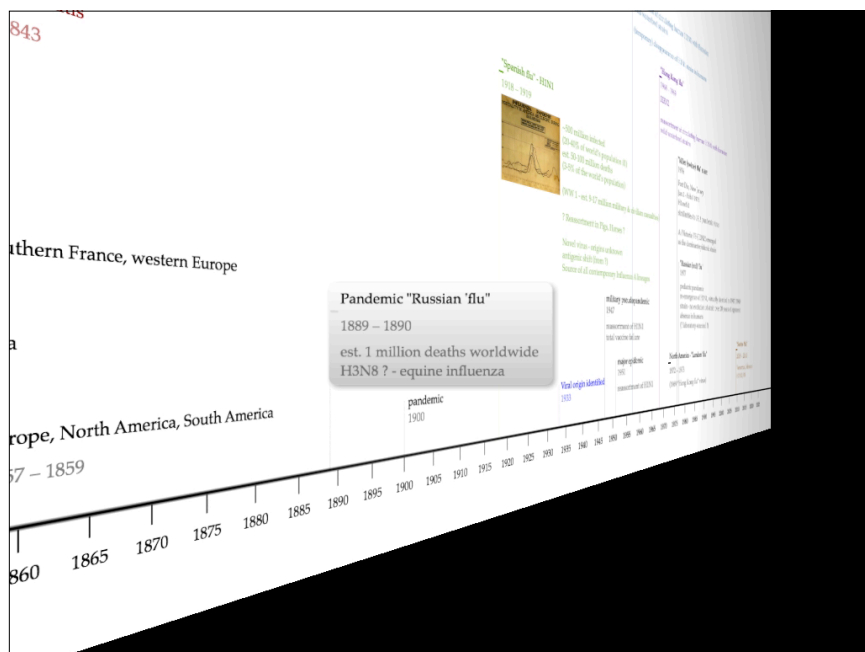
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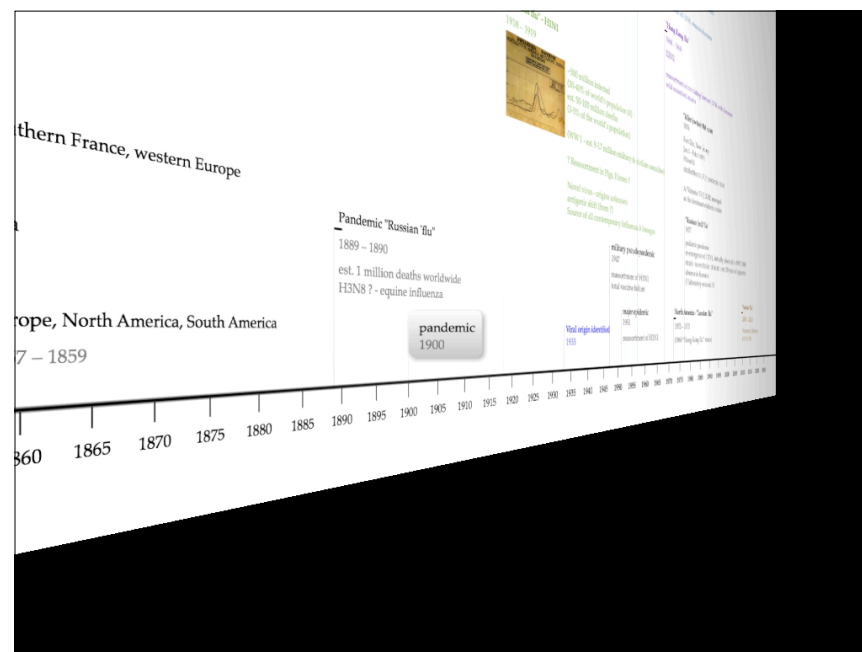
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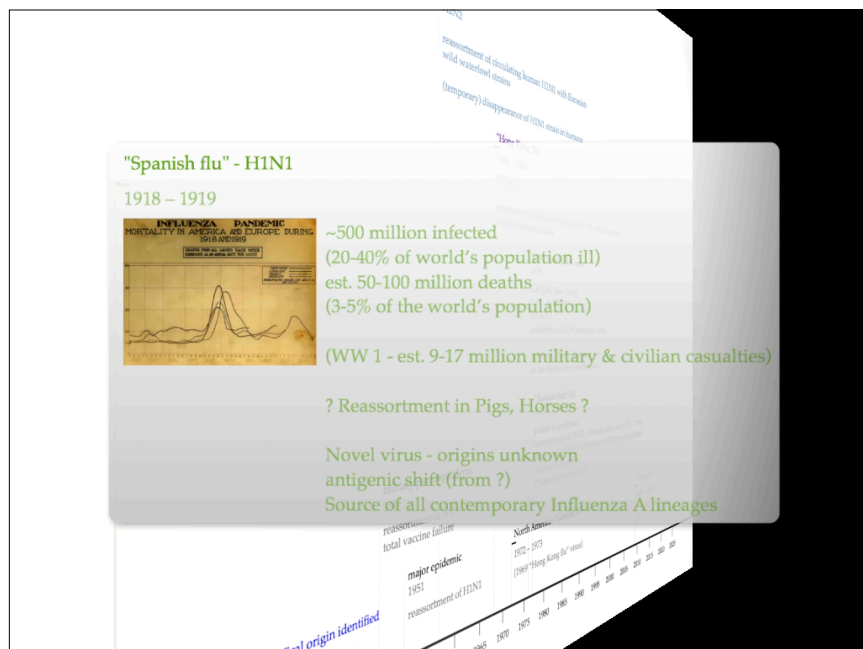
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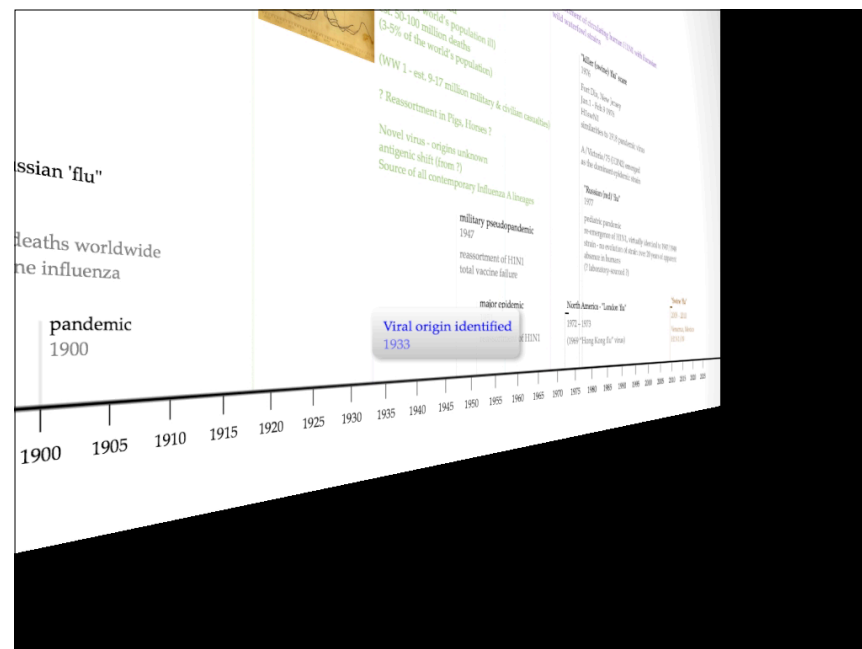
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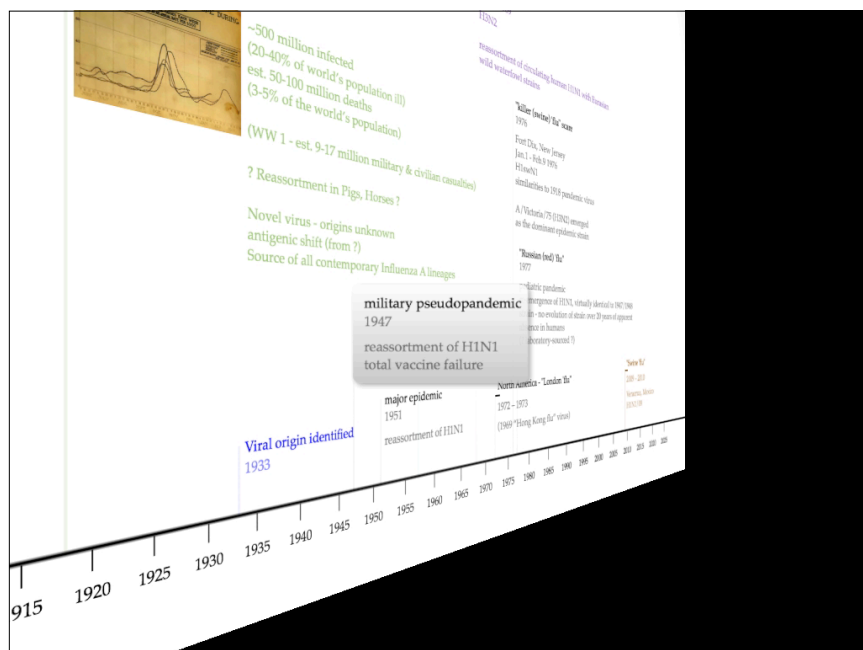
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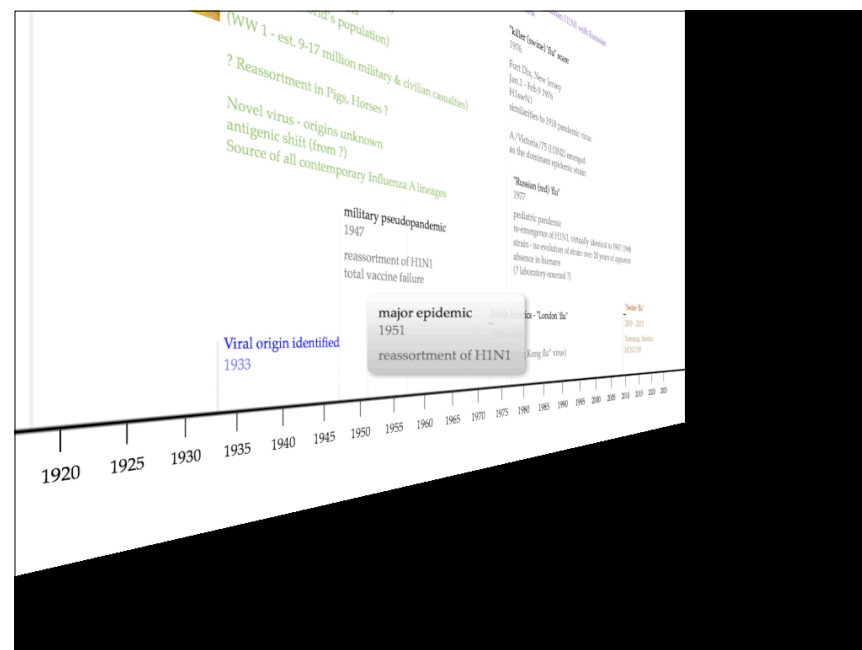
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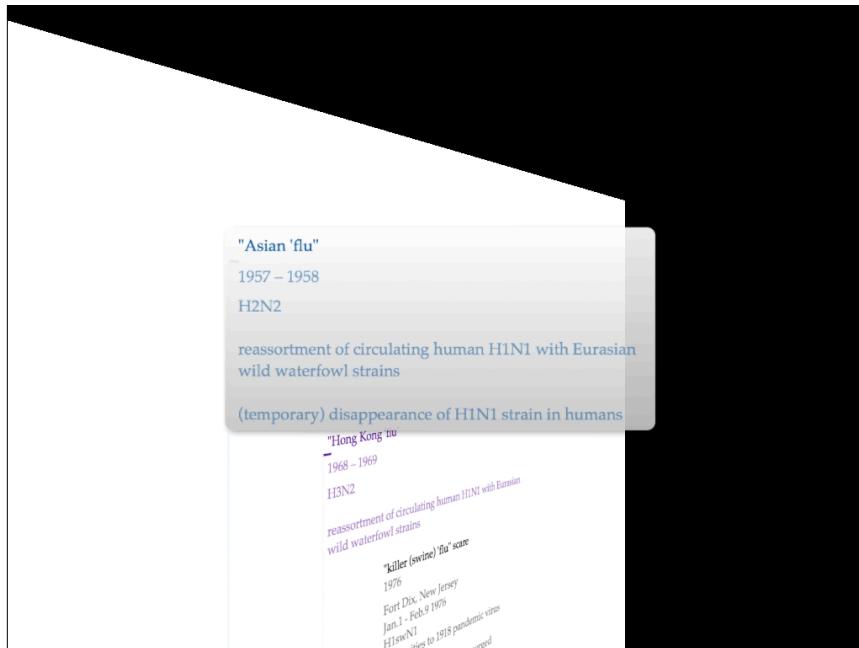
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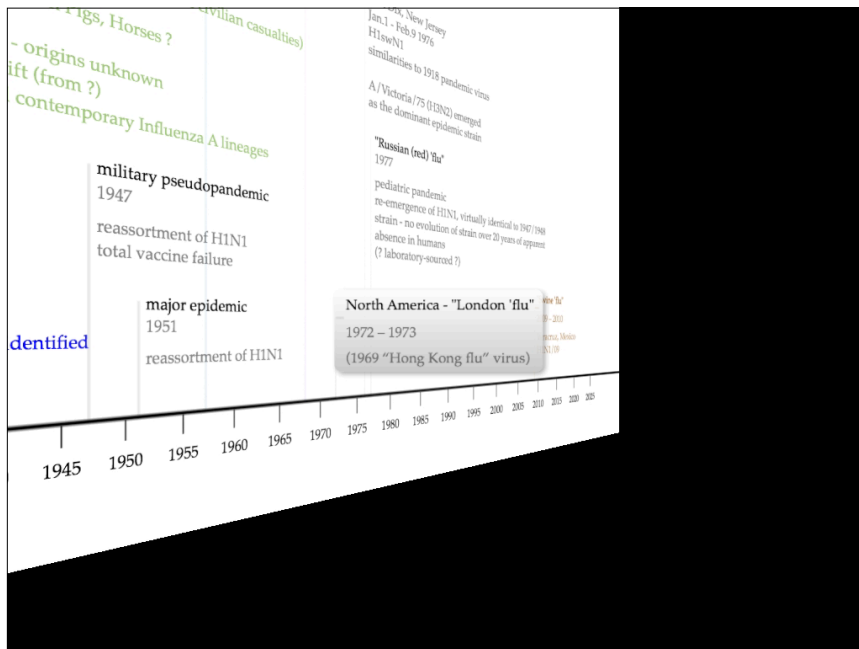
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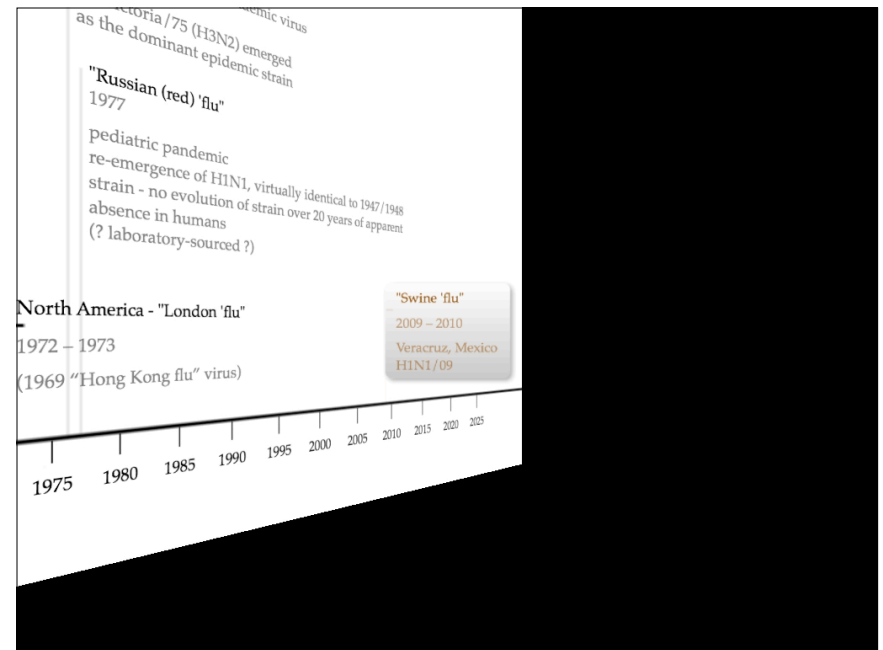
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