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Text Mining

Assignment 12.2 Interpreting a Topic Model.

Topic 16 is chapter 65 – “THE AGE OF ARMAMENT IN EUROPE, AND THE GREAT WAR OF 1914 TO 1918” so for the bar graph having world war on the top makes sense along with Rome, German, empire, emperor, power, and people make sense for a history book covering that time period. Charles is possibly Charles of Austria; he was emperor of Austria and King of Hungary in 1916 to 1918.

Topic 17 has a strong gamma in chapter 11 - the first true man, chapter 27 - the museum and the library at Alexandria, and chapter 51 - the emperor Charles V. I believe that topic 17 is chapter 27 due to primarily the word Alexandria being in the top ten, but the rest of the words in the topic add to this as well, paper, knowledge and intellectual.

Topic 18 has a strong gamma in chapter 10 the neanderthals and the Rhodesian man, chapter 41 – the Byzantine and Assaad empires, chapter 60 the expansion of the United states and a weak gamma in chapter 40 the Huns and the end of the western empire. I believe topic 18 is chapter 60 due to the word united which most likely means united states. I assume the expansion of the United States is referring to manifest destiny which stretched to the south and west of America with the use of slavery. So, the words north, south and slavery add to this idea.

Topic 19 has a strong gamma in chapter 18 - Egypt, Babylon and Assyria, chapter 55 - the French revolution and the restoration of monarchy in France. I believe topic 19 is Chapter 55 due to the words French, France and Paris being in the top ten of words. At one point in history France conquered Egypt during the Napoleonic wars.

Topic 20 has a strong gamma in chapter 36 - religious developments under the roman empire chapter 37 - the teaching of Jesus, and weak gamma in chapter 38 - the development of doctrinal Christianity. It is very difficult to tell which is the chapter for topic 20. Roman being on top of the bar graph makes me think its chapter 36 but all three chapters tie to Jesus, Christianity and religion.