Reading control 5: Exploring and querying data

Material

1. S. L. Xi, O. Babarinsa, M. Athanassoulis, and S. Idreos, "Beyond the Wall: Near-Data Processing for Databases," Proceedings of the 11th International Workshop on Data Management on New Hardware, p. 2:1–2:10, 2015.11.
2. M. Joglekar, T. Rekatsinas, H. Garcia-Molina, A. Parameswaran, and C. Ré, "SLiMFast: Guaranteed Results for Data Fusion and Source Reliability," 2015.
3. C. De Sa, K. Olukotun, and C. Ré, "Ensuring Rapid Mixing and Low Bias for Asynchronous Gibbs Sampling," pp. 1–33, 2016.

To Do

1. Get together with the members of your team and answer the following assignment.

For each paper you prepared for this reading control:

   a. State the problem addressed by the work reported.
   b. Which is the scientific motivation of the work? What can be the impact of developing such a research? Which type of applications can obtain benefits from this type of research?
   c. Focus on the state of the art and the institutions of the authors. Is the work presented in the paper part of a project? Are there other concurrent groups working in similar projects? Do you feel that the state of the art provides a good view of the groups working on the same problem?
   d. Focus on the experimentation: Which of the elements described in that section could help to reproduce the experiments? Are they convincing? Do they support the theoretical setting of the paper? Justify using the content of the paper.

2. Get together with other teams that worked on the same set of papers. Compare and debate about your answers
   e. Integrate your results in a word document.
   f. Hand in a pdf underlined with different colors for highlighting the parts that support your answers and the word with your answers. Include the number of the group and the name of the participants.