**CS 63016 & CS 73016 Big Data Analytics**

**Homework 5**

**Instructor:** Xiang Lian

**Due Date:** Please refer to the course website

Find one paper in SIGMOD, PVLDB, or ICDE related to big data analytics (indexing or querying) you are interested in. [100 points]

* Provide the reference of this paper;
* Briefly describe the motivation, problem definition, and solutions of this paper;
* Explain the main contributions of this paper; and
* A review with the following items:
* A summary of this paper (1-2 paragraphs)
* At least 3 strong points of this paper
* At least 3 weak points of this paper
* Technical details
  + Give an example of their solution
  + Pros & cons compared with previous solutions
* Conclusion and potential future works you have after reading this paper

**Submission**

Submit an electronic copy of your homework solution to the [Blackboard](https://learn.kent.edu/).