**CS 49995 & CS 63016 ST: Big Data Analytics**

**Homework 6**

**Instructor:** Xiang Lian

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

Read the following paper and provide a comprehensive review of this paper. [100 points]

H. He, H. Wang, J. Yang, and P. S. Yu. BLINKS: ranked keyword searches on graphs. In *SIGMOD*, 2007. <http://db.cs.duke.edu/papers/2007-SIGMOD-hwyy-kwgraph.pdf>

The review should include 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
  + Motivation of this problem
  + Problem definition
  + Solution
  + Give an example of their solution
  + Pros & cons compared with previous solutions (e.g., BANKS)
* Conclusion and potential future works you have after reading this paper

**Bonus Question [20 extra points]**

Please find a *keyword search* paper after 2007 from SIMGOD, PVLDB, or ICDE conference.

* Provide the reference of this paper
* Discuss how this paper differs from BLINKS or BANKS methods

**Submission**

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