In-Class Quiz 5 (Big Data)

1. What is Mapreduce? How does it work? Name a few applications of Mapreduce.

2. Assume we want to compute the difference of two sets in a database using map reduce framework. Write map and reduce functions for computing $R \setminus S = \{x \in R | x \notin S\}$.

3. Compare Hadoop and Spark. Describe advantages and disadvantages of each one.

4. What are advantages and disadvantages of using bayesian methods in big data frameworks?