**5990 WK10-2 Summary by Yuming JIANG**

WEEKLY ARTICLE REVIEW AND SUMMARY #2 (one for each article, no more than one page, bullet points are OK)

1. Article name (cut and paste the full article name here): An Overview of Business Intelligence Technology

2. Your one-sentence summary of the article (what is the message in the article): This article gives an overview of Business Intelligence Technology including Data Storage, Query Processing, Enterprise Search, Extract-Transform-Load Tools and Other BI Technology.  
  
3. Up to three items or concepts in the article that you most easily agree with:  
  
3.1. The cost of data acquisition and data storage has declined significantly. This has increased the appetite of businesses to acquire very large volumes in order to extract as much competitive advantage from it as possible.  
3.2. New massively parallel data architectures and analytic tools go beyond traditional parallel SQL data warehouses and OLAP engines.  
3.3. The need to shorten the time lag between data acquisition and decision making is spurring innovations in business intelligence technologies.  
  
4. Up to three items that you find it difficult to agree with or that don’t seem straightforward:  
  
4.1. Today, it is difficult to find a successful enterprise that has not leveraged BI technology for their business.

4.2. Thus, there is a need for automated physical design tools to also recommend which access structures should be compressed and how based on workload information.  
4.3. Extensible optimizers allowed many important optimizations developed by industry and research over the years to be incorporated relatively easily without having to repeatedly modify the search strategy of the optimizer.  
  
5. How does this article apply to your project? Does it explain or support something that you are proposing in your project?

To print heart for patients with 3d printing, our company should build the database of patients to help our company make decisions. This article gives our company the theory guidance for building our own Business Intelligence Software.