Peer-Reviewed Journal Article Analysis

Component	Example
Article Title (APA Citation) - Cited in analysis - Reference page with article reference	Brumandl, R., Kemper, A., & Kossman, D. (2003, November 2003). Quality of service in an information economy. *ACM Transactions on Internet Technology, 3*, 4. Retrieved October 13, 2002, ACM Digital library.
Article Summary/Abstract (In your words)	This article examines the response time or quality of service associated with query processing via the Internet. The integration of a distributed query processor is examined as a way to improve Quality of Service during query processing.
Is the purpose of article and research problem clearly identified? What was the main theme of the paper? What new ideas or information were communicated in the paper? Why was it important to publish these ideas?	The purpose of the article is clearly identified in the article and introduction sections of the article. The article delves into extensive technical detail related to database performance along with quality and cost parameters that may be specified by the owner of the query plan.
Did the author clearly define the research process used in their article? What methods did the authors use to reach conclusions? If this is an experiment or survey, how were the data collected and analyzed? Who were the subjects? What were the basic results or findings from the research? If this is an opinion paper, where did the author find his or her opinions? If this is a technical paper, how do you know that the material is accurate? Give your impressions of the usefulness of the paper. Give your reasons for your	The research conducted in the article is primarily secondary in nature as the authors made extensive use of primary articles for their data and analysis.

opinions. Write about your opinions of the strengths and weaknesses of the paper in separate paragraphs.	
Does the author of the study protect the participants in the study and is the scope of the study clearly defined?	Since the authors did not do the primary research for the data in these articles, the participants creating the query requests remained completely anonymous.
Did the author adequately define the limitations of the study and how these limitations could have an impact on the finding of the study?	The authors of this study did not identify any limitation but it would seem that the limitation would be in the form of the data for this study was not directly completed by the authors as they relied primarily on the research of others. It is believed that the authors of the article did not adequately take into account the hardware capabilities and the network connections of the end users performing the queries.
Can the findings of this article be applied to the needs of the research in progress? Were the findings important to a reader? Were the conclusions valid? Do you agree with the conclusions? If the material was technical, was the technical material innovative?	To a certain extent, the findings and recommendations can be applied to query processing if the end user has the proper tools to set the query limits and to abort the query if any of the quality of service parameters is out of limits. However, in the experience of this learner, most end users performing Internet query do not have the software necessary to set the query limits.
Is the data and finding of this article sufficiently current to be applicable to the research in progress?	Although the article is being published in the November 2003 issue of an ACM publication, most of the references predate 2000. Only one reference is dated in 2000 and there are several from 1992. In general, this reviewer believes the age of the references for this article must be considered in the relevance to today's computing and information systems environment. The technical details of this particular article would not be appropriate for the research being conducted by this learner.
Does the author present their findings and recommendation in an unbiased manner?	Yes – these authors analyzed the data presented in an unbiased and quantitative manner. For example….
Are the findings consistent with the purpose of the research and the title of the article?	In general, the article drills down into some technical areas that would not be of interest to most readers attracted by the title of the article. To some extent, this article concentrated on database and query language details that go beyond the broader

	title of the article. The performance and response calculations presented are not usually of interest to information systems professional as much as they would be to computer engineers and scientists.
Are the conclusions presented from the data presented in the study and the analysis performed justified to support the recommendations?	The conclusions presented by the authors would appear to be supported by the analysis of the data presented. The authors only presented conclusions not recommendations as to course of actions to be taken.
Are the researcher's background, experience and credentials presented with the report?	This article did not provide information on the background, experience and credentials on the authors of the article.