**Introduction**

This paper focuses on a new data-warehouse system called Mesa, which is invented and used by Google for Google’s Internet advertising business. Mesa is geo-replicated across multiple datacenters and could handle petabytes of data and serve billions of queries at low latency. It introduces the structure, functionality and production metrics of Mesa. This topic is very important and useful because it solves the problem of extensive increasing demand of advertisements on google’s platform. Below I will discuss my comments and suggestions, which hopefully can help the author to improve the paper.

**Merits**

The paper introduces very comprehensive about some important aspects of Mesa system. In Introduction proposes authors seven requirements, which this data warehousing system must satisfy. Then in the following description introduce authors the mechanism about how are those requirements actualized.

**Critique**

1 Some arguments are too abstract to be understood. For example in paragraph 4.2 describe authors that in order to parallelize worker operation, must sample a Mesa worker every s-th row key. Then definite the maximum number of input rows per partition is at most n/p+(m-1)s.

Overall, I think that this paper about Mesa is important and well founded. The authors team have devoted a great deal of time in this system und therefore accumulated a lot of experiences. I hope that these comments could help to improve this paper.