This article expounded upon the modern advances within both Deep Learning and Statistical Machine Learning regarding information fusion, as well as both positive and negative aspects. The paper also dives deeply into the performances in several different application domains, making the primary recommendation that a synergistic usage of both Statistical Machine Learning and Deep Learning (in particular, its feature extraction capabilities) can improve the overall performance, compared to either approach individually. In particular, the performance of Deep Canonical Correlation Analysis was analyzed by performing various tasks on face recognition and action recognition. T

I had several questions about the paper, one of which being the reason for poor documentation regarding the replication of the experiment (ie environment information, etc). Part of producing good research is having verifiable, replicable results. I was also curious as to why the researchers conducted their experiments on such a narrow dataset.

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Good evening Shubham. Excellent analysis on the paper. I found it fascinating how the feature recognition capabilities of Deep Learning were used to augment the discernment capabilities of contemporary Statistical Machine Learning. I agree with your latter assessment, as it appears as if the researchers are sacrificing simplicity for performance.

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Good evening Venkat. Excellent analysis on the paper. To answer your question, the researchers used the superior feature recognition capabilities inherent within Deep Learning to improve the discernment capabilities of contemporary Statistical Machine Learning in their hybrid approach. However, I do agree with your assessment that a common metric for evaluating pros and cons are necessary in order to have a clearer analysis.