1133-15-366 **Kourosh Modarresi** (modarres@adobe.com), P O Box 19544, Stanford, CA 94309, **Abdurrahman Munir*** (munir@adobe.com), 345 park Av, E12- 032, san Jose, CA , and **Jamie Diner** (diner@adobe.com), 345 Park Av, E12 - 032, San Jose, CA. *A Comprehensive Evaluation of Models for Matrices with Missing Values.*

Matrices are prominent features of machine learning and artificial intelligent domains. AI and machine learning focus on learning from data and the preferred format of the presentation of data for the learning process is structuring data as a matrix. In practice, these matrices have many missing entries which is due, in part, to the sparsity of the data. The sparsity itself is partly the result of the high dimensionality of the observed data. There are many different models that have been used to compute these missing entries of a matrix. In this work, we examine the performance of these models with respect to data features such as type, size, sparsity and the application domain. (Received August 01, 2017)