**Relevant Work (Previous Studies)**

Luis M. Candanedo∗, Véronique Feldheim and Dominique Deramaix have done a research on the prediction of appliance energy consumption. The authors have taken several combinations of attributes under consideration and they have discovered that GBM model is most successful while predicting the usages. They also discovered that **Pressure** has more importance over the other attributes as it directly influences the weather conditions like increased probability of rain which leads to more occupancy in house which in turn increases the use of appliances.