**Literature Survey:**

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| **Sr. No** | **Title of Paper** | **Name of Authors** | **Published Year** | **Remarks / Findings** |
| 1 | Robust Sentiment Detection on Twitter from Biased and Noisy Data | Luciano Barbosa  Junlan Feng | 2010 | Categorizing and exploring how tweets are written and meta-information of the words that compose these messages |
| 2 | TagNet: Toward Tag-based Sentiment Analysis of Large Social Media Data | Yang Chen\* | 2018 | TagNet, a novel visualization approach tailored to the tag-based sentiment analysis. |
| 3 | Deep Learning for Automated Sentiment Analysis of Social Media | Li-Chen Cheng  Song-Lin Tsai | 2019 | Proposal of a novel sentiment analysis framework based on deep learning models to extract sentiment from social media |
| 4 | Multilingual Sentiment Analysis on Social Media Disaster Data | Muhammad Jauharul Fuady Roliana Ibrahim | 2019 | This model collects disaster data from social media, which is then classified through a deep learning algorithm, so as to analyze the sentiments of people affected by disasters. |
| 5 | Combining Lexicon-based and Learning-based Methods for Twitter Sentiment Analysis | Lei Zhang  Riddhiman Ghosh  Mohamed Dekhil  Meichun Hsu  Bing Liu | 2011 | Adopts a lexiconbased approach to perform entity-level sentiment analysis. This method can give high precision, but low recall. |
| 6 | Aspect-level Sentiment Analysis for Social Media Data in the Political Domain using Hierarchical Attention and Position Embeddings | Renny Pradina Kusumawardani  Muhammad Wildan Maulidani | 2020 | , LSTM gives the best performance in terms of accuracy and outperforms GRU and RNN by almost 7% in average recall |
| 7 | Study on Machine learning based Social Media and Sentiment analysis for medical data applications | R. Meena  Dr. V. Thulasi Bai | 2019 | social media data for a particular disease, cancer on three different social media platforms such as google trends, twitter and online forums with the sentiment analysis of the mined text. |
| 8 | Twitter Sentiment Classification using Distant Supervision | Alec Go  Richa Bhayani  Lei Huang | 2019 | describes the preprocessing steps needed in order to achieve high accuracy. |
| 9 | Sentiment Analysis of Twitter Data | Apoorv Agarwal  Boyi Xie  Ilia Vovsha  Owen Rambow  Rebecca Passonneau | 2011 | e build models for two classification tasks: a binary task of classifying sentiment into positive and negative classes and a 3-way task of classifying classes |
| 10 | Anomaly Detection through Enhanced Sentiment Analysis on Social Media Data | Zhaoxia WANG  Victor Joo Chuan TONG  Xin XIN | 2014 | analyzing social media data to identify abnormal events promptly is a beneficial topic. |
| 11 | Distantly Supervised Lifelong Learning for Large-Scale Social Media Sentiment Analysis | Rui Xia  Jie Jiang  Huihui He | 2017 | In social media that contains a huge amount of text and a large range of topics, it would be very difficult to manually collect enough labeled data to train a sentiment classifier for different domains. D |
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