# LIST OF TERMS

| Terms | Definition |
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| RNN | Recurrent Neural Network: A form of neural network that is excellent at processing sequential data by utilizing hidden states as memory to help map both current time inputs and previous time internal state to new desired outputs [2]. |
| GRU | Gated Recurrent Unit: An optimized RNN architecture that uses a single update gate to handle long-term dependencies in sequential data [2]. |
| BiGRU | Bidirectional Gated Recurrent Unit: RNN architecture consists of two GRUs, one for processing sequential data in a forward direction and the other in a backward direction [2]. |
| LSTM | Long-Short Term Memory: A type of RNN that is able to learn long-term dependencies in sequential data by using multiple gates and an internal memory cell [2]. |
| BiLSTM | Bidirectional Long-Short Term Memory: RNN architecture consists of two LSTMs, one for processing sequential data in a forward direction and the other in a backward direction [2]. |
| Data Points | The information supplied into the machine learning model, and its number or volume, influences the models' accuracy [3]. |
| Encoder-decoder | A neural network architecture that is utilized for sequence-to-sequence learning and is built of two parts: the encoder and decoder [4]. |
| Decoder | A part of the encoder-decoder architecture where it processes an input sequence to produce a set of context vectors [4]. |
| Encoder | A part of the encoder-decoder architecture where it processes a set of context vectors (produced by the decoder) to generate an output sequence [4]. |
| Fashion | A style in clothes, footwear, accessories, or makeup that was popular among a large number of people at a certain time [5]. |
| Fashion Cycle | The process occurs when a specific design, activity, color, etc., gains popularity and eventually fades away [6]. |
| Fast Fashion | Cheap, trendy clothing that takes inspiration from the catwalk or celebrity culture and swiftly turns it into items in high-street retailers to fulfill customer demand [6]. |
| Fashion Trend(s) | Reflecting on fashion styles and items that are "in" and "out" for the season [5]. |

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| Fashion trend forecasting | A computational fashion analysis task that aims to predict future trends of meaningful fashion elements [1] by forecasting their future value using historical time series data [7]. |
| Fashion Element | Components that improve the garment's visual (or aesthetic) appeal and emotional connection, hence improving psychological and aesthetic comfort [8], while also contributing to fashion trends [5]. |
| Forecasting | Predicting events in the future using foreknowledge obtained through a systematic approach or intuition [9]. |
| Prediction | An opinion-driven speculation with no clear causal assumptions [9]. |
| Product Life Cycle | The whole procedure of introducing a new product until its elimination from the market [10]. |
| Fashion Life Cycle | The whole procedure of introducing a new product until its elimination from the market based on the fashion industry [10]. |
| Sequential data / Sequence data | Elements or data points that are arranged in a certain order [11]. |
| Timestep | In simulations, a time unit is used to progress the system being studied to its next state [12]. |