

Application of Advanced Deep Learning Algorithms for Sales Forecasting

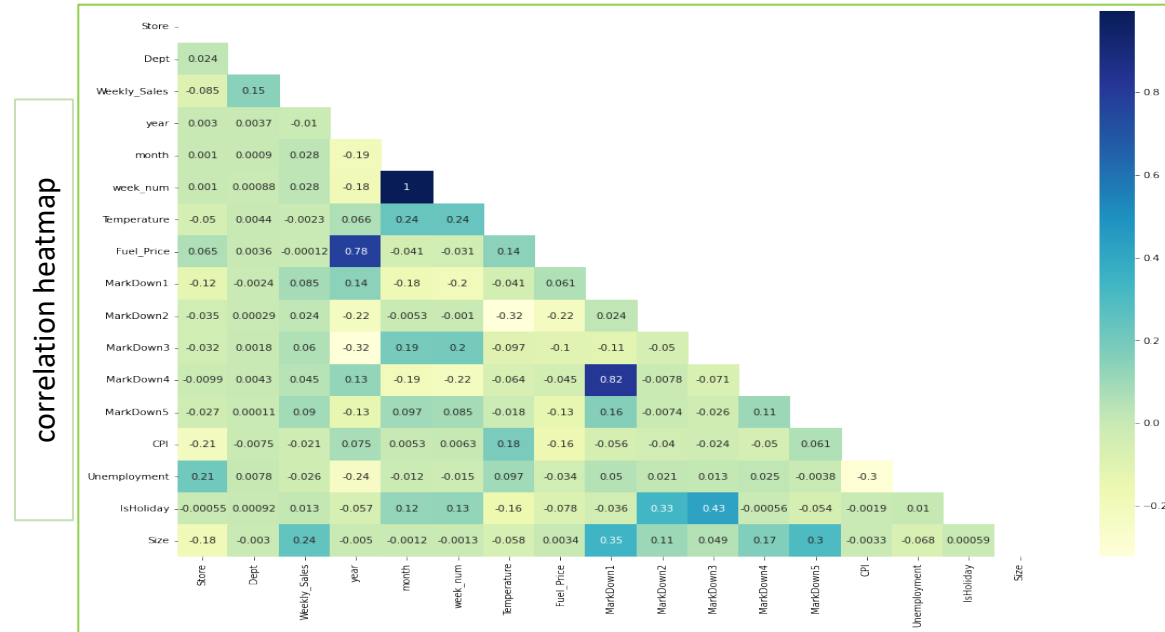
Sales forecasting helps businesses, especially those operating large chains of business networks to drive future revenue and development.



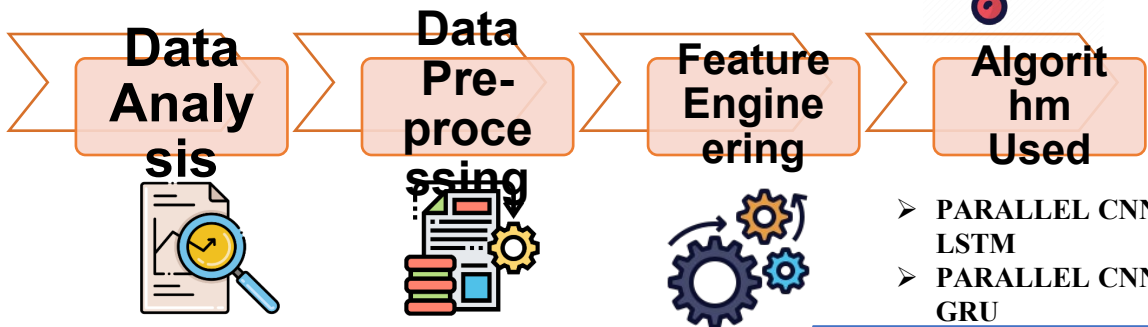
Data consists of Weekly Sales of 45 stores from February 2010 to November 2012.

- 81 unique departments in the stores,
- 3 types of stores,
- promotional activities,
- holidays.

Accurate and efficient sales forecasting of each store for the next 3 months.



STEPS INVOLVED



- PARALLEL CNN-LSTM
- PARALLEL CNN-GRU

CNN: Convolutional neural network
 LSTM: Long short-term memory
 GRU: Gated Recurrent Unit

