



Featured Prediction Competition

Corporación Favorita Grocery Sales Forecasting

\$30,000

Prize Money

Can you accurately predict sales for a large grocery chain?



Corporación Favorita · 1,675 teams · 2 days ago

Overview

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Kernels

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New Topic



sjv

Source Code

posted in [Corporación Favorita Grocery Sales Forecasting](#) 12 hours ago

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I've released the source code I used for this model, you can view it here:

<https://github.com/sjvasquez/web-traffic-forecasting/tree/master/cf>

These are the main differences (that I remember) from the code I used for the Web Traffic Forecasting competition:

- LSTM gating equations are used along the depth dimension
- Learning rate scheduling, batch size scheduling, momentum scheduling
- Fixed off-by-one bug in the encoder
- Fixed convolution padding bug in decoder
- Decoder augmented with a bidirectional LSTM
- Added feature engineering in the data processing pipeline
- Made some changes to batching and validation
- Output layer includes bernoulli parameter

Should be easy to adapt the code for future forecasting competitions.

Options

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weiwei • 12 hours ago • Options • Reply

^ 0 v

Great work, thanks for sharing



Shize Su • (16th in this Competition) • 12 hours ago • Options • Reply

^ 0 v

thanks for the sharing, sjv^_^



KALE • 11 hours ago • Options • Reply

^ 0 v

This is impressive! Thanks for sharing, sjv!



Gerryl • 11 hours ago • Options • Reply

^ 0 v

Really great work! hope you feel better now, thanks for sharing!



CPMP • 9 hours ago • Options • Reply

^ 0 v

Thanks for sharing, hope you feel better!



steelrose • (36th in this Competition) • 8 hours ago • Options • Reply

^ 0 v

thank you very much, it's always great to see someone so generous



infzero • 3 hours ago • Options • Reply

^ 0 v

Great work, thanks for sharing