



Parcel project

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Group members



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Recap



- ▶ Product owner: PostNL (Tim Ottens)
- ▶ Assignment: Predicting the amount of processed packages
- ▶ Data: amount of daily packages processed, for 300 customers, for 5 years

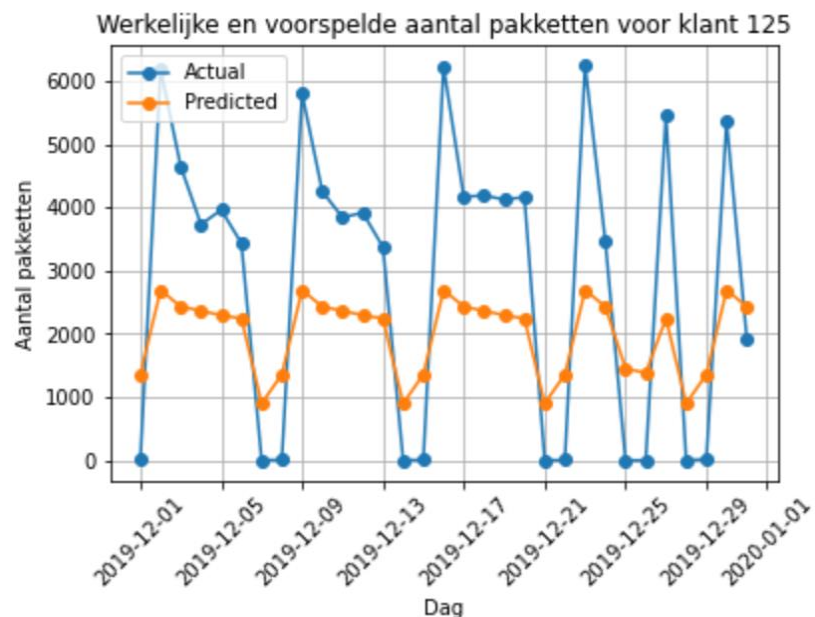


What we did last week

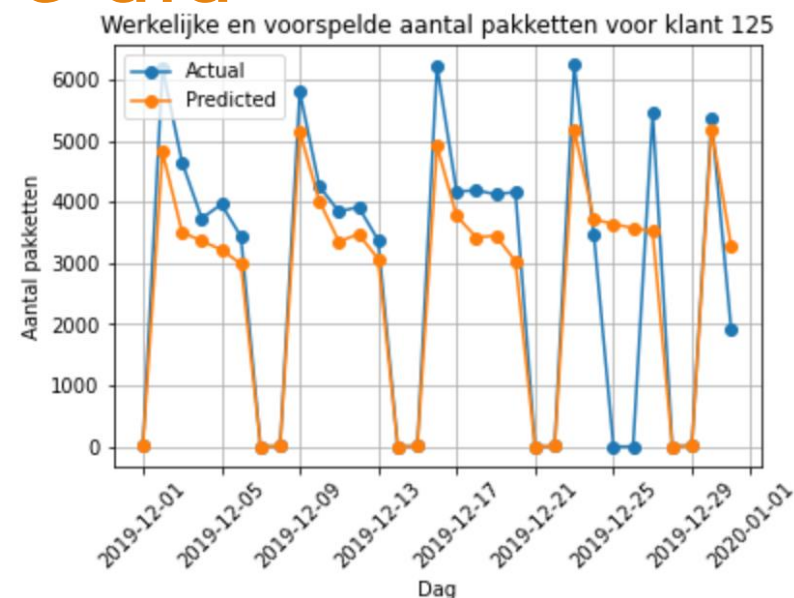


- ▶ Processed feedback
- ▶ Made a beginning with our paper
- ▶ 2 Different kinds of models:
 - ▶ Autoregression integrated moving average
 - ▶ Multivariate lineaire regression (feature expansion (correlation matrixes))

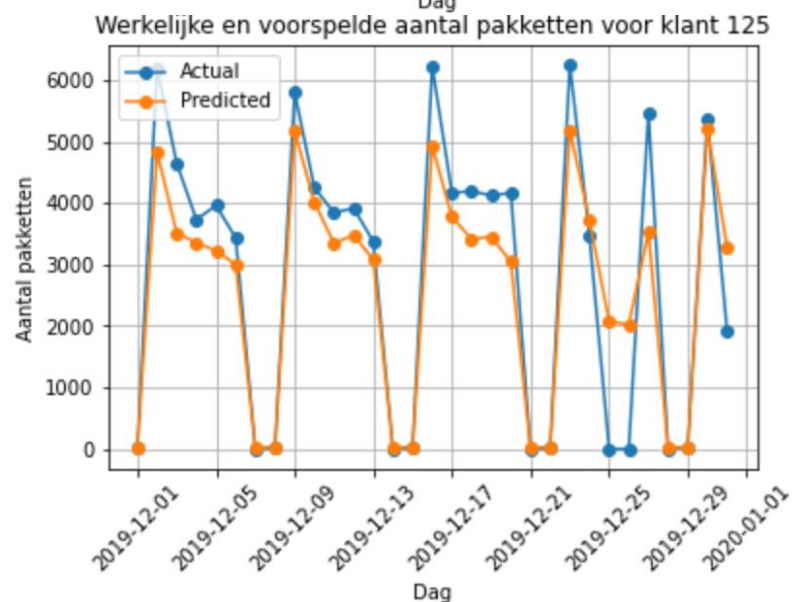
Graphs of what we did



Root Mean Squared Error: 1933.5883855685406
R2 score: 0.28877269935245986



- r2 score: 0.74
- RMSE: 1165.7



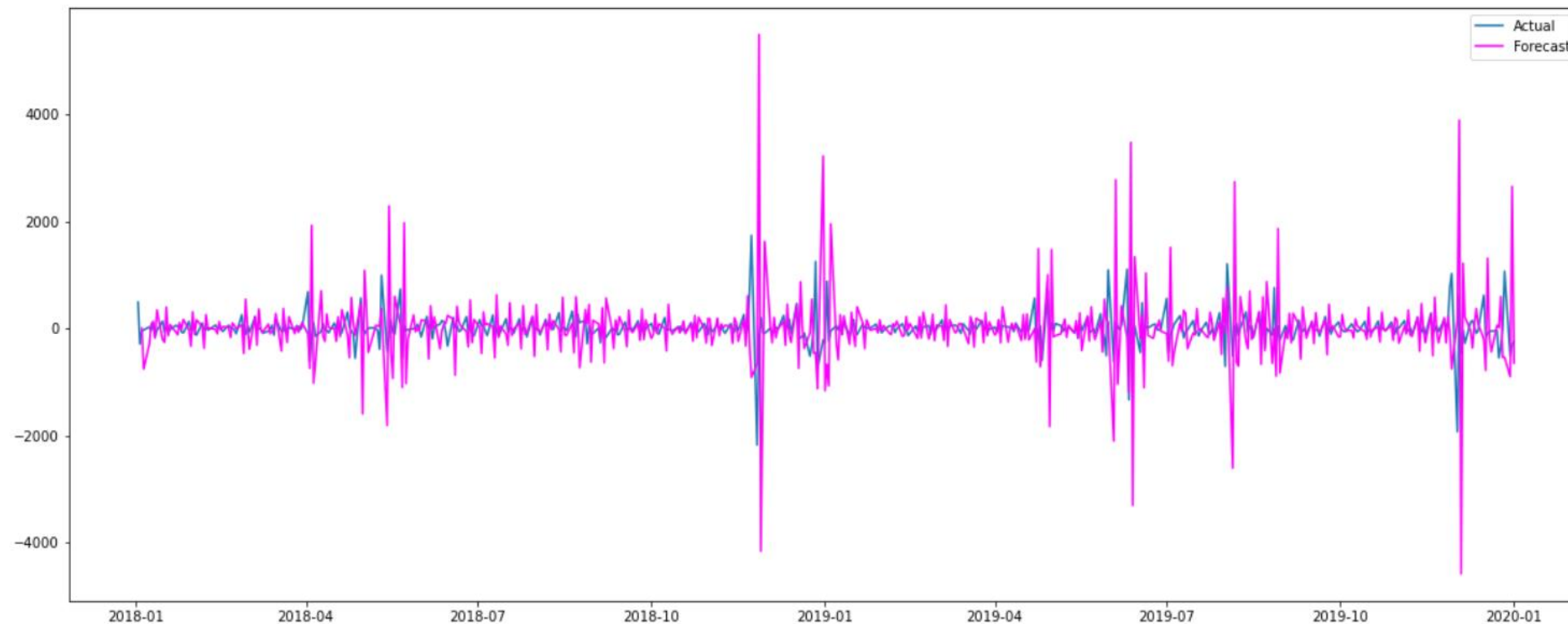
With holidays

- r2 score: 0.85
- RMSE: 886.2

Some more graphs



Root Mean Squared Error: 711.3709467202278



The planning for this week



- ▶ ARIMA ---> SARIMA
- ▶ Implementing more features in the mvlr model
- ▶ Paper

Questions

