**Company**

Pon is an international trading and service organization with a workforce of 13,000 people spread over 450 locations in 32 countries. Adding unique value to the relationship between customer and manufacturer: that’s what Pon is about. We do that by providing a range of services for the quality products of A-brand manufacturers such as Volkswagen, Caterpillar, MAN, Gazelle and Continental. Those services include maintenance, repair, leasing, rental and insurance. Pon’s Automobielhandel is the cornerstone of the Pon concern. It is the exclusive importer in the Netherlands for Volkswagen, Audi, SEAT, ŠKODA, Volkswagen Commercial Vehicles, Porsche, Bugatti, Bentley and Lamborghini.

**Objective**

Our objective is to optimize the supply chain. Three drivers are underneath, supply, demand and stock, where different analysis can be done.

![Process diagram](image)

**Available data**

Ten years of data available. In this data there are variables as “Date Production Finished”, “Date of Arrival at Pon” etc. per chassisnumber. So for every car we have a lot of events to calculate throughput times, or predictions. We also know the brand and model of each chassisnumber.

**Methodology**

We expect that modelling should make a great difference on the prediction of the short term planning and therefore are looking for a student to help us out on forecasting with historic data:

- Insight and forecast with throughput times, conversions and built-to-order and built-to-stock ratio’s
- Inbound planning (received cars by truck and train) based on production planning and leadtimes
- Outbound planning (shipped cars to dealers) based on inbound planning
- Difference analysis between different brands, models, factories en transport modalities
- Stock planning taken into account maximum storage capacity
- Track and trace functionality

**Conditions**

Not only modelling, also the implementation (interviewing, presenting) is part of the job. Close cooperation with the business. Software available: R, Tableau, Excel, Cognos, SQL Server Manager, Aginity Workbench for Netezza Location Leusden - at least 4 days at the office.

If you would like to apply for this internship, please send your motivation and your CV to Nancy van der Linden (nancy.van.der.linden@pon.com).