

Graduation project at Unilever R&D Vlaardingen

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Unilever is a leading company in household products, like detergents, foods, toiletries and speciality chemicals. Unilever has over a thousand different brands, many of which are market leaders in a country or even in the world. Unilever believes that research is an important factor to remain market leader for many products. Unilever has its own research laboratories in a few countries, where Unilever R&D Vlaardingen in the Netherlands is one of those.

In the past about ten students did their graduation project at Unilever R&D Vlaardingen. Many projects dealt with an aspect of Design of Experiments. However, other topics are also possible. Here is a list of some graduation topics in the past

-Analysis and Design of Pharmacokinetic Models

Pharmacokinetics is dedicated to the study of the time course of substances and their relationship with an organism; a pharmacokinetic model is used to describe the concentration of such substances into the organism over the time.

-Space Filling Designs

These are designs which spread the experimental design points uniformly throughout the experimental region.

-DeOfEX, an Application for Generating Experimental Design

Development of a tool that can be useful to generate experimental designs for a given problem and model.

-Optimal Sample Size in Experimental Design

Development of a tool to determine the optimal sample size using power considerations for a given statistical hypothesis.

-CalVal, A SAS/AF application to support calibration and model validation

Development of a tool that tests the quality of an estimated calibration line.

If you are interested in a graduation project at the R&D department of Unilever please contact Emiel van Berkum (mailto: e.e.m.v.berkum@tue.nl)